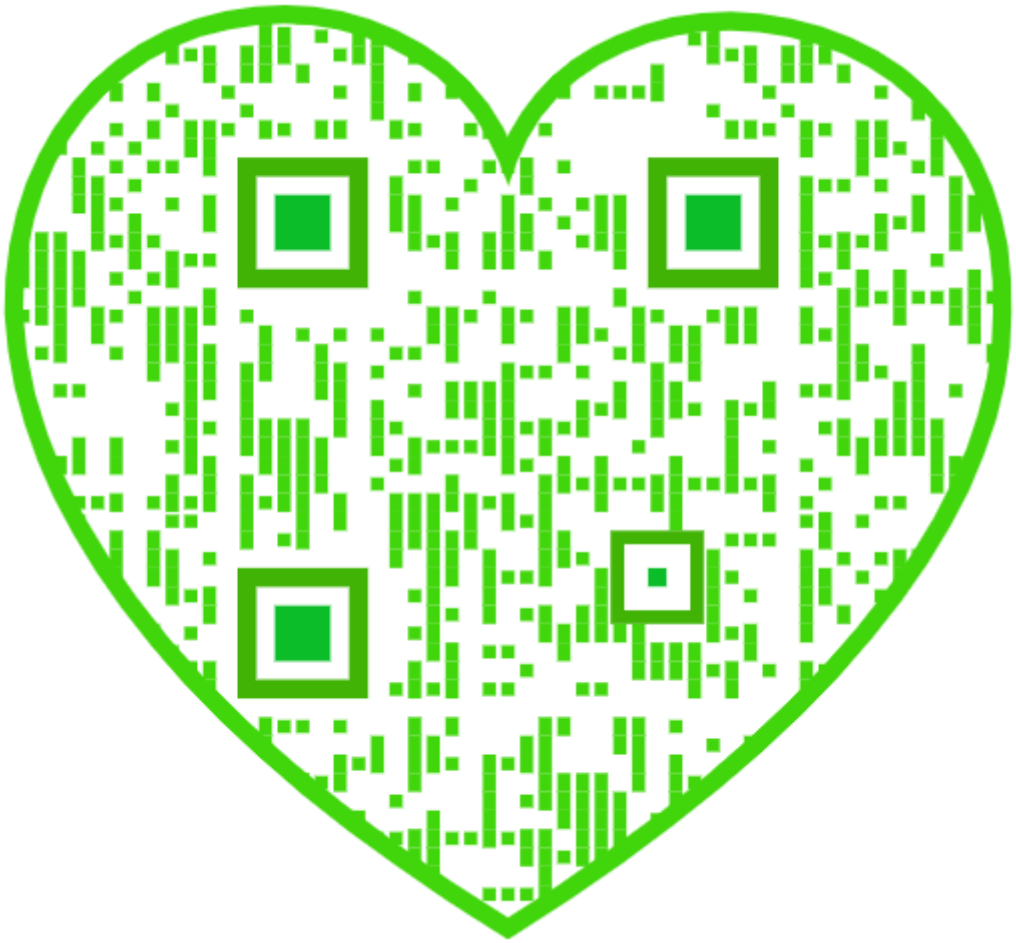
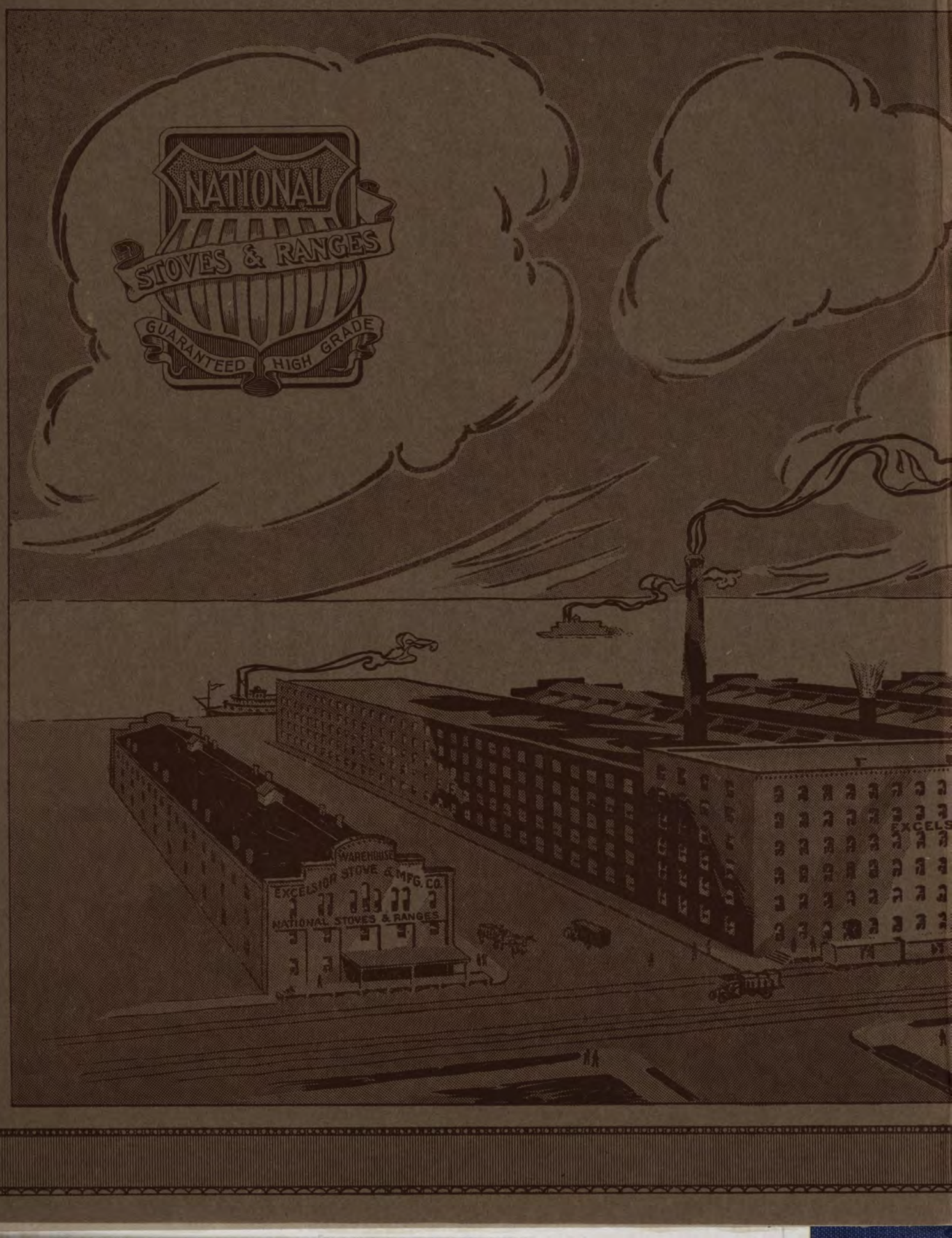
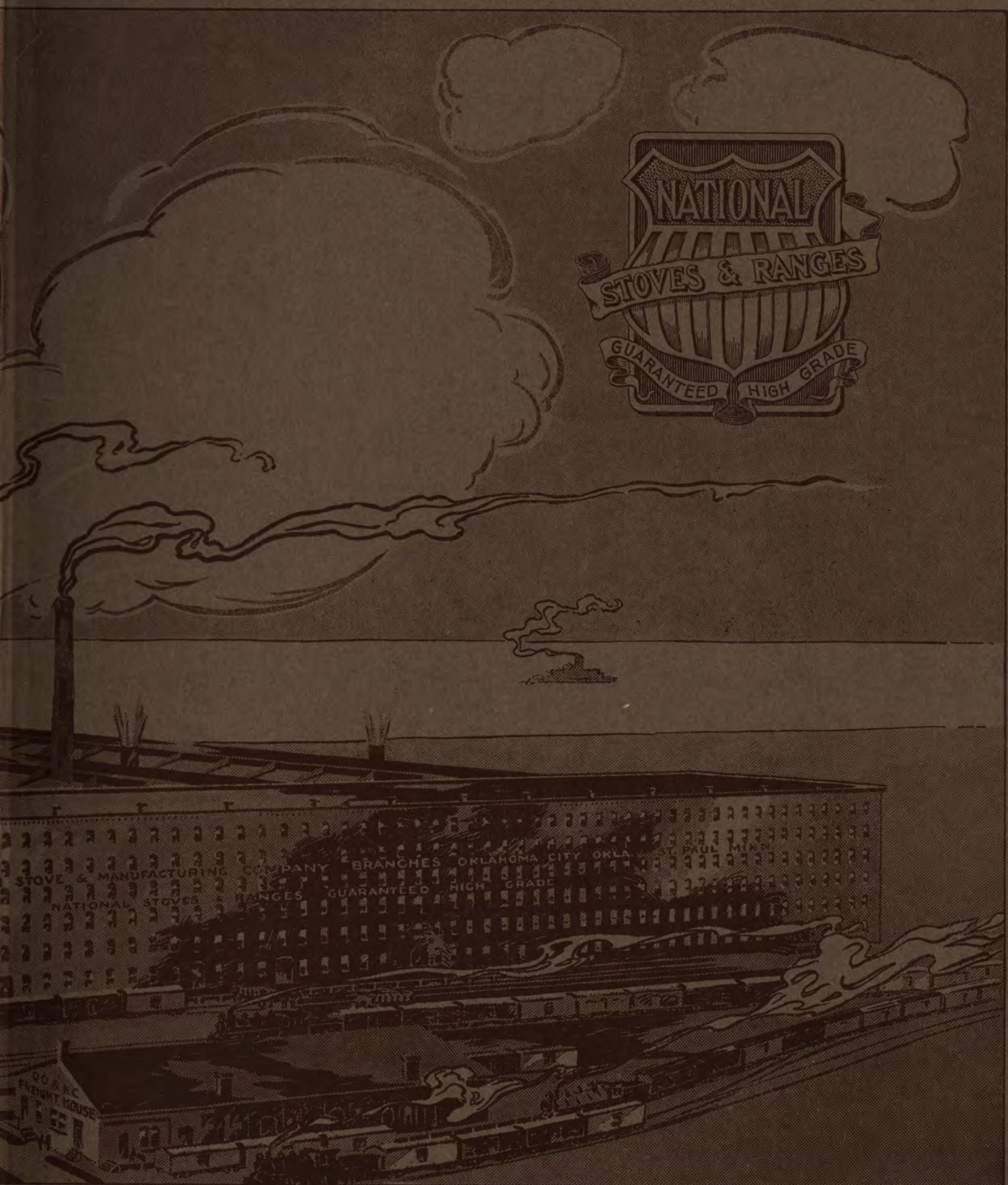
EXCELSIOR STOVE & MFG. CO.

QUINCY, ILLINOIS

OKLAHOMA CITY, OKLA. ST. PAUL, MINN.




NATIONAL
STOVES & RANGES
GUARANTEED HIGH GRADE
WAREHOUSE
EXCELSIOR STOVE & MFG. CO.
NATIONAL STOVES & RANGES


NATIONAL
STOVES & RANGES
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STOVE & MANUFACTURING COMPANY BRANCHES OKLAHOMA CITY OKLA. ST. PAUL MINN.
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Catalogue No. 29
1915-1916

EXCELSIOR STOVE & MANUFACTURING CO.

OPERATORS LARGEST STOVE PLANT IN THE WEST

MAKERS OF

Main Office and Foundry: 510 to 618 South Front Street
Quincy, Illinois, U.S.A.

BRANCHES: OKLAHOMA CITY, OKLAHOMA, AND ST. PAUL, MINNESOTA

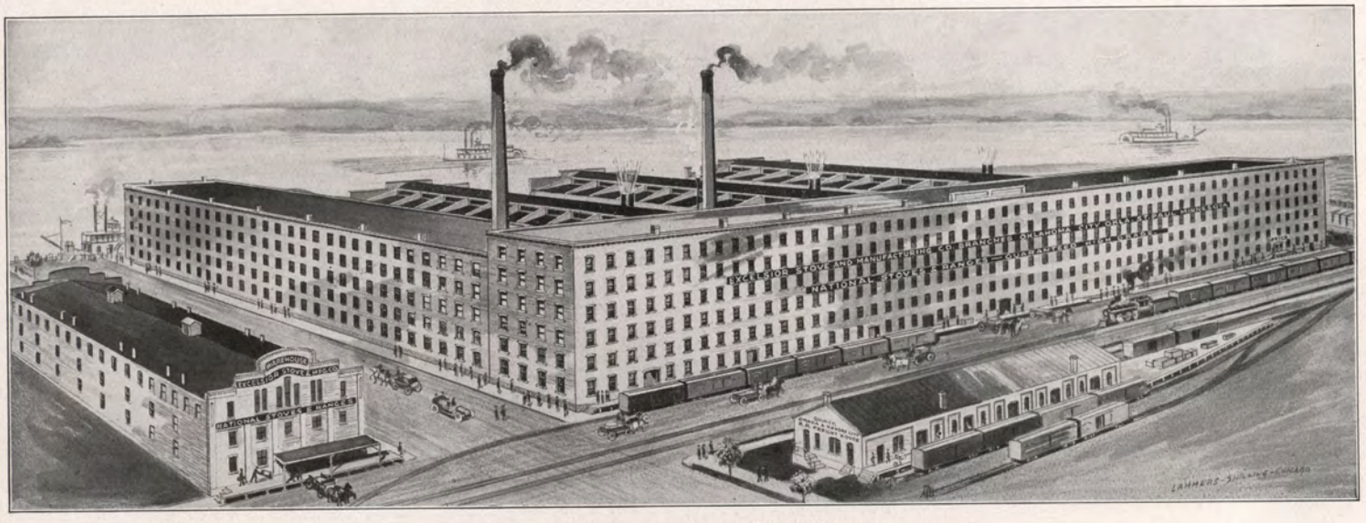
THIS CATALOGUE SUPERSEDES ALL FORMER ISSUES

Excelsior Stove & Manufacturing Company

Evolution of a Stove Plant

EXCELSIOR STOVE & MANUFACTURING CO.
1890
Razed March, 1911

EXCELSIOR STOVE & MANUFACTURING CO.
1898
Part of Present Building



EXCELSIOR STOVE & MANUFACTURING CO.
1903
Largest Stove Plant in the West

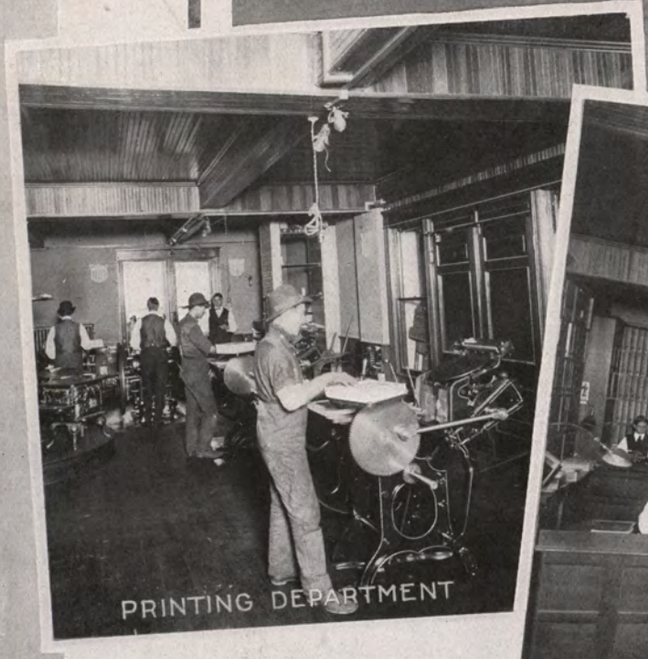
EXCELSIOR STOVE & MANUFACTURING CO. NATIONAL STOVES & RANGES
EXCELSIOR STOVE & MANUFACTURING CO. NATIONAL STOVES & RANGES
GAS-GASOLINE-OIL STOVES-REFRIGERATORS

SOUTHWESTERN BRANCH
Walnut and California Avenues, Oklahoma City, Okla.

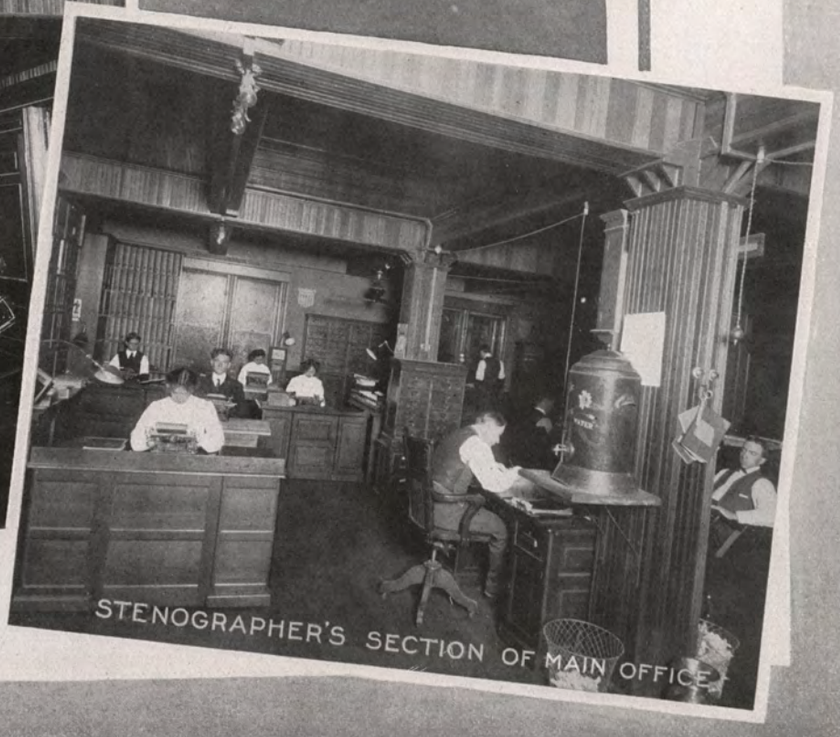
NORTHWESTERN BRANCH
University and Raymond Avenues, St. Paul, Minn.

BOOKKEEPER'S SECTION OF MAIN OFFICE

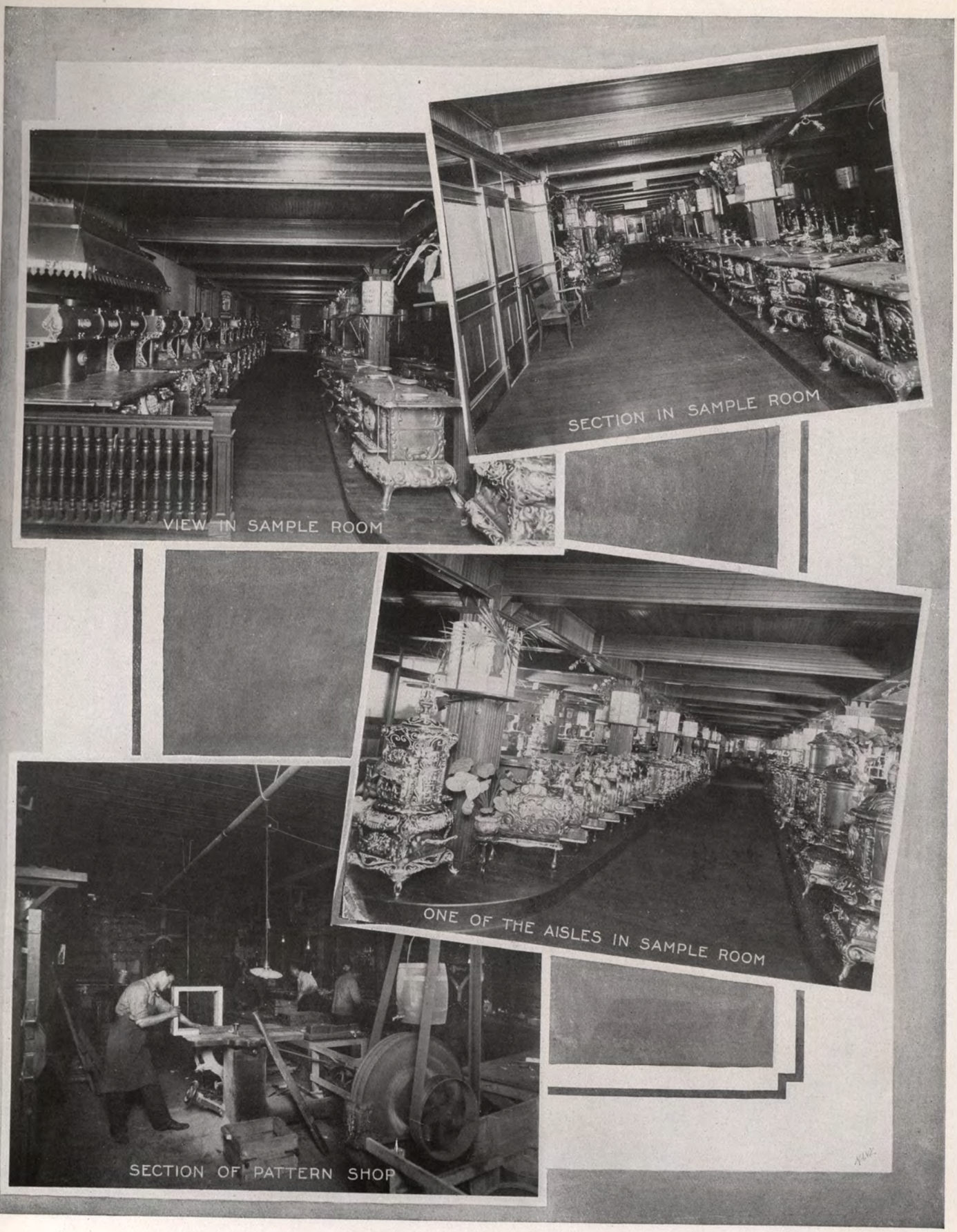
ONE OF THE PRIVATE OFFICES



PRINTING DEPARTMENT



STENOGRAPHER'S SECTION OF MAIN OFFICE

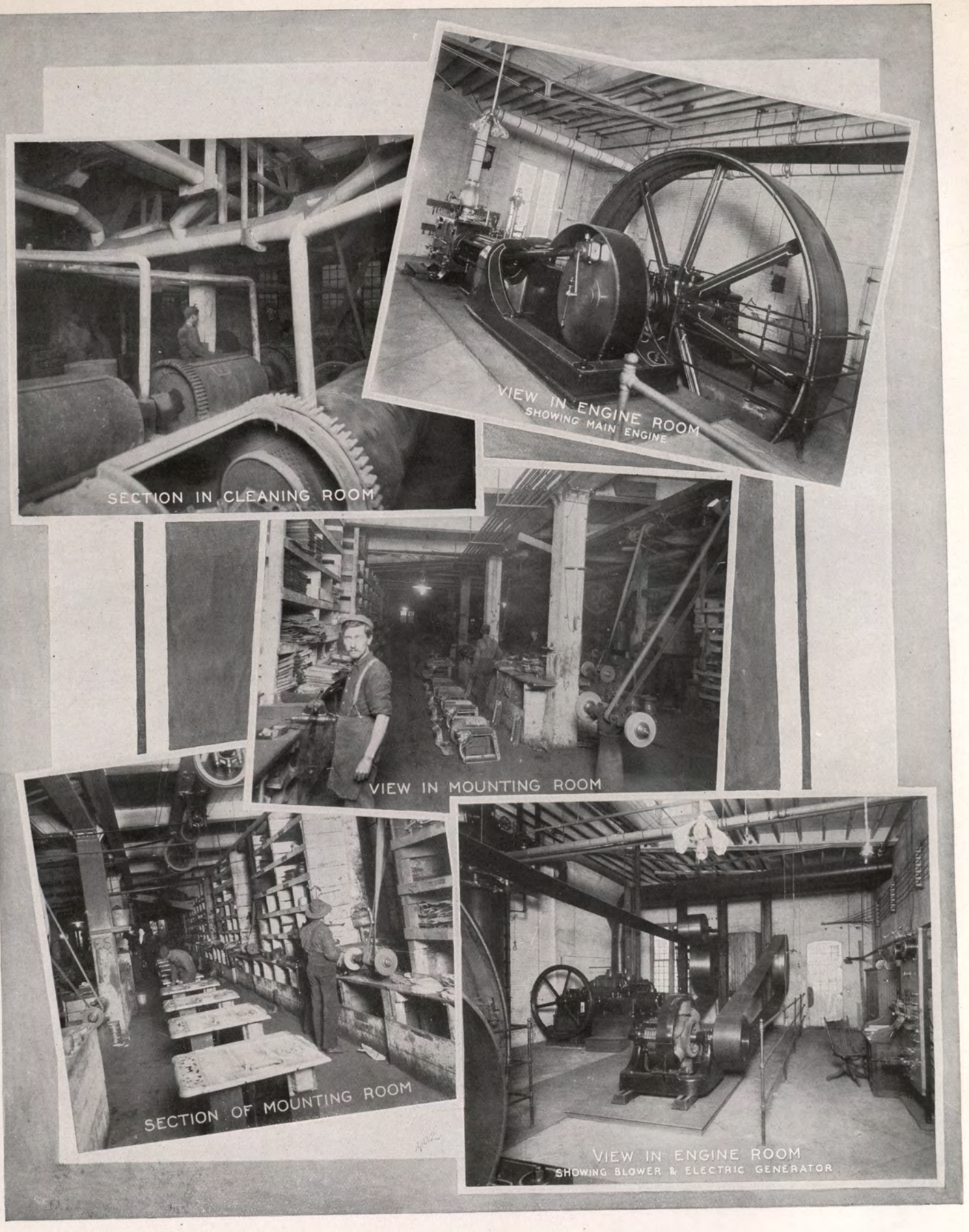


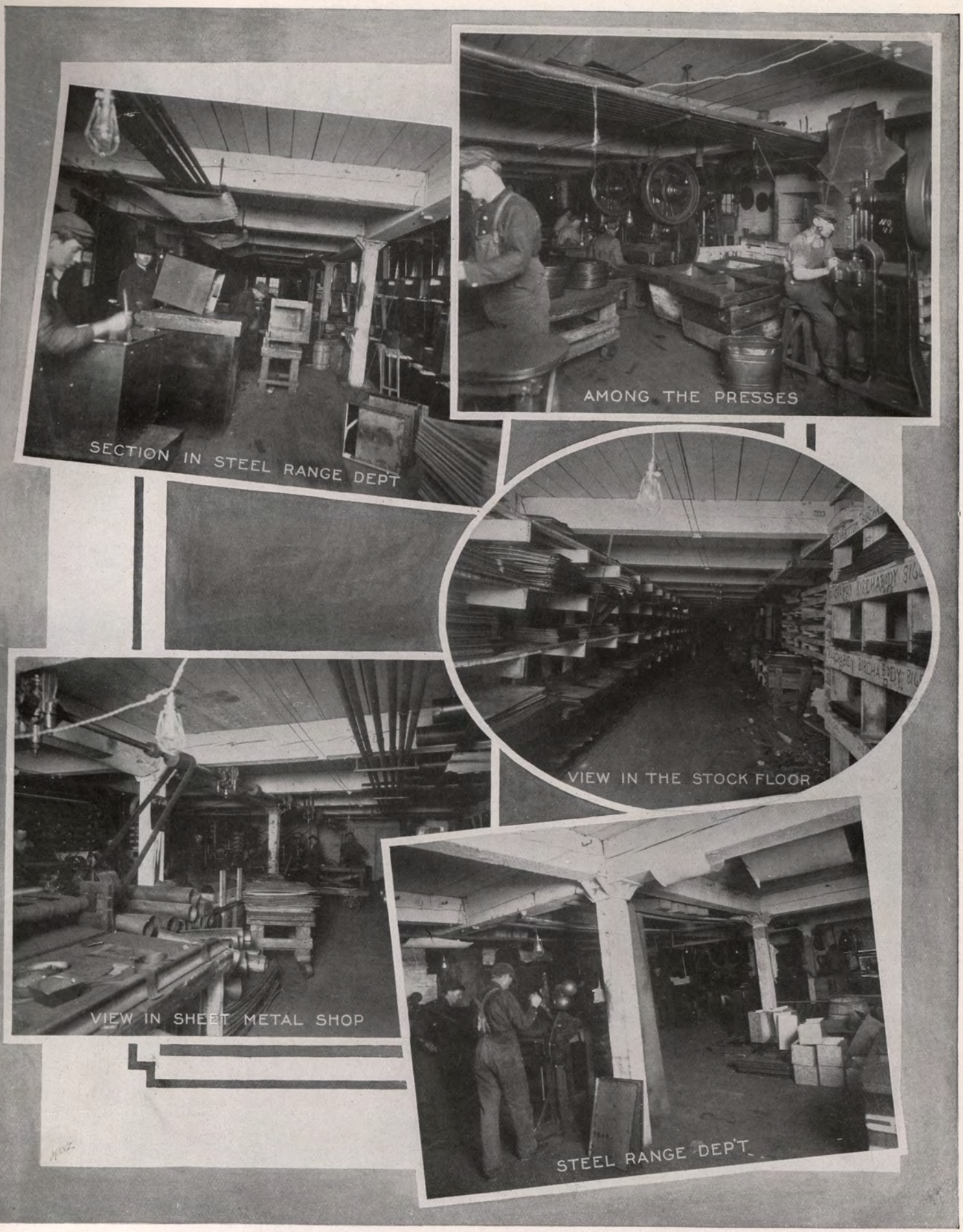
VIEW IN SAMPLE ROOM

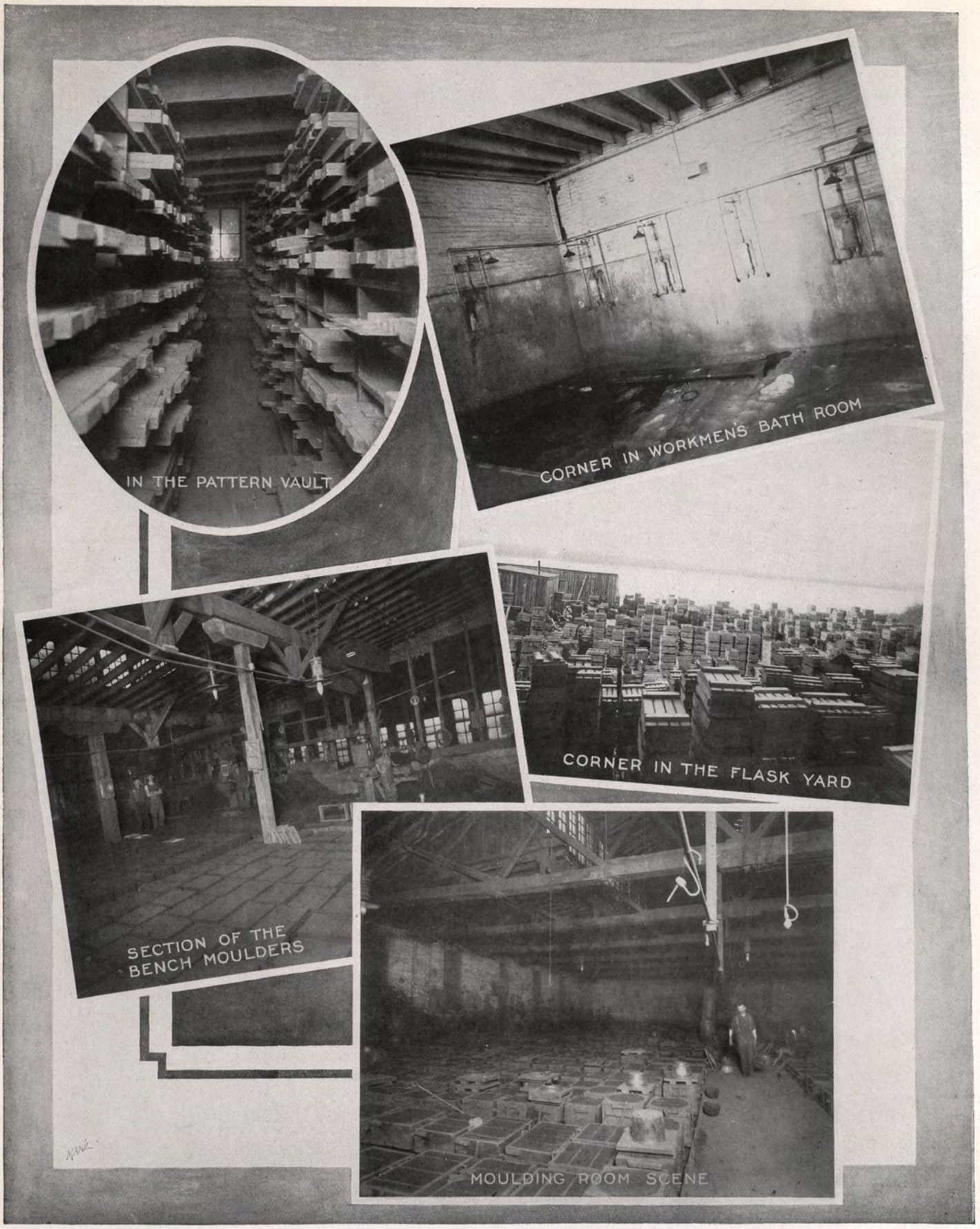
SECTION IN SAMPLE ROOM

ONE OF THE AISLES IN SAMPLE ROOM

SECTION OF PATTERN SHOP


VIEW IN ENGINE ROOM
SHOWING MAIN ENGINE
SECTION IN CLEANING ROOM
VIEW IN MOUNTING ROOM
SECTION OF MOUNTING ROOM
VIEW IN ENGINE ROOM
SHOWING BLOWER & ELECTRIC GENERATOR


SECTION IN STEEL RANGE DEPT
AMONG THE PRESSES
VIEW IN THE STOCK FLOOR
VIEW IN SHEET METAL SHOP
STEEL RANGE DEP'T


IN THE PATTERN VAULT
CORNER IN WORKMEN'S BATH ROOM
CORNER IN THE FLASK YARD
SECTION OF THE BENCH MOULDERS
MOULDING ROOM SCENE

National Stoves, Ranges and Furnaces

BUSINESS PHRASES IN FREQUENT USE

Ship by freight at once	Adage
Ship by boat at once	Adamant
Ship by express at once	Adamic
Ship and follow with tracer	Adhesion
Add to our order	Adapt
Change our order to read	Adaptable
Quote by wire on the following	Adaptation
Quote by mail on the following	Adder
Trace by wire our shipment	Adherent
For shipment with other goods deliver to	Addict

EXPRESS CODE

Ship at once by Adams Express	Adverse
Ship at once by American Express	Advert
Ship at once by Pacific Express	Advice
Ship at once by Wells-Fargo Express	Advent

RAILROADS

Via Atchison, Topeka & Santa Fe	Addle
Via Baltimore & Ohio	Adduce
Via Chicago, Burlington & Quincy	Adhere
Via Chicago, Rock Island & Pacific	Adopter
Via Chicago, Milwaukee & St. Paul	Adieu
Via Chicago & North Western	Adit
Via Chicago & Alton	Adjoin
Via Great Northern	Adjudge
Via Hannibal & St. Joseph	Adjust
Via Illinois Central	Adjutor
Via International & Great Northern	Advocate
Via Kansas City Southern	Admire
Via Lake Shore & Michigan Southern	Admit
Via Missouri Pacific	Admittable
Via Missouri, Kansas & Texas	Admix
Via Michigan Central	Admonish
Via Northern Pacific	Ado
Via Pennsylvania Lines	Adoption
Via Quincy, Omaha & Kansas City	Adopt
Via St. Louis, Keokuk & Northwestern	Adorable
Via St. Louis & Southwestern	Adore
Via St. Louis, Iron Mountain & Southern	Adrift
Via St. Louis & San Francisco	Advisor
Via Union Pacific	Adroit
Via Wabash	Adry
Via Wisconsin Central	Adult

QUINCY, ILLINOIS, SHIPPING FACILITIES

The geographical position of Quincy is central of the United States. It is located on the dividing line of the Eastern and Western classification of freight rates, thereby avoiding payment of two classifications on any shipment. It is a division point of several trunk line railroads, which radiate to all directions. Located on the Mississippi River, Quincy enjoys the "Water Rate" of freight, which is lowest. The railroad freight time to the various cities is as follows:

Buffalo, N. Y.	32 Hours
Chicago, Ill.	15 "
Columbus, Ohio	25 "
Dallas, Texas	48 "
Denver, Colo.	63 "
Des Moines, Iowa	18 "
Detroit, Mich	27 "
Grand Rapids, Mich	26 "
Houston, Texas	60 "
Indianapolis, Ind	24 "
Kansas City, Mo	17 "
Little Rock, Ark.	24 "
Memphis, Tenn.	22 Hours
Milwaukee, Wis	20 "
New Orleans, La.	65 "
Oklahoma City, Okla.	26 "
Omaha, Neb	24 "
Sedalia, Mo.	14 "
Sioux City, Iowa	29 "
St. Joseph, Mo.	17 "
St. Louis, Mo.	10 "
St. Paul, Minn	38 "
Toledo, Ohio	27 "
Wichita, Kan.	28 "

Excelsior Stove & Manufacturing Company

PRICES AND TERMS

We invite correspondence with reference to prices, and to dealers only will quote our best discounts from list prices, which will be as low as any other manufacturer on similar goods, quality considered.

Our prices are subject to change without notice.

Our terms are net cash, unless an agreement for specified time is made.

On C. O. D. orders we require a deposit of one-half the amount of bill, or an agent's guarantee of charges both ways on the goods, together with Chicago exchange for one-fourth of the amount of the order. Orders for $5.00 and under must be accompanied with full amount of order.

We render statement of account to all customers from time to time, and, in cases where time has been given, balance must be settled by note, which will accompany statement.

Payments must be made in funds which are par at Quincy—When remittance is draft the same should be drawn on New York, Chicago, or St. Louis; otherwise there will be an expense for collection and exchange, and enough must be added to cover the same, say thirty-five (35) cents for each one hundred dollars or fraction thereof. If remittance is by express the charges must be prepaid.

Claims for errors must be made on receipt of goods, and will not be allowed unless made within ten days from date of invoice.

All articles in this catalogue subject to a special discount, except those articles marked net.

All cook stoves will be shipped without hollowware unless the ware is specially ordered.

FREIGHT AND BREAKAGE

Unless otherwise ordered, we make all shipments at buyer's risk, under the releases demanded by transportation companies, thus securing the benefits of released rates of freight.

We do not insure safe delivery of goods—Our responsibility ceases when shipments are receipted for in good order by boats, railroads and express companies, but we shall be pleased to assist customers in collection of overcharges from carriers (in order to do this we must have original expense bill promptly), or in tracing and hurrying forward goods which are delayed.

It must be distinctly understood that we do not, in any case, guarantee against breakage in transit, but we will furnish castings to replace those broken by transportation at four (4) cents per pound, if specified in order, and applied for on receipt of goods.

Transportation companies will not entertain any claim for breakage unless goods have been accepted and receipted for. When this is done have your agent note on your expense bill the amount of damage, send it to us, and we will enter claim for you, and use our best effort to secure a prompt settlement. This will also apply to overcharge in freight; therefore, do not make any deductions for freight or breakage in your remittances, as we will not allow them.

The above terms are based on principles of fairness, and are in accord with general mercantile usage. They are not subject to abrogation or change by salesmen.

DIRECTIONS FOR SETTING UP STOVES

Chimney—The first essential in setting up a range or cook stove is to examine the chimney and see that it has sufficient flue space and is of proper height. It is the chimney alone that furnishes the draft, and not the stove (as many suppose), and it must therefore be of good size and clear of all obstruction in order to furnish draft enough to operate stoves perfectly.

A new or green chimney will never have a perfect draft. It will not draw perfectly until it is thoroughly dry.

Pipe—Use as little pipe and as few elbows as possible. See that it fits tightly together, and into the chimney and onto the collar of stove properly. See that it is not pushed into elbows or chimney too far.

Always have pipe and opening into chimney full size of collar on stove.

Do not set two stoves to same flue, or use a T-joint.

Stove—See that all the flues are open and clear.

See that the damper and flue stops are in place and closed tightly, being very sure that one back of the ash pan is tight.

Be sure you know how the dampers operate; that they may not be open when you think they are closed, and bear in mind that almost all stoves having reservoirs have two dampers, both of which must be properly turned to bake.

DIRECTIONS FOR OPERATING

Cover oven top with ashes and fill reservoir before starting fire. Heat up slowly first time. Do not fill fire box above the top of the fire linings.

Shake grate often and keep free of cinders and ashes.

Do not let lower front door stand open. You get enough draft through the draft register.

In baking keep the register in feed door closed. The air to go around oven should pass through the fire and become thoroughly heated.

Do not run stove with damper down; you use too much fuel and burn stove out too fast.

Do not set leaky vessels or spill cold water on stove.

Be sure to empty ash pan at least once a day.

In cleaning out flues be sure to scrape all sides of flues, and especially scrape off all soot that hangs to oven bottom. Pull all soot toward you, and be careful not to push any back into back flues, but scrape from extreme back forward.

Do not let reservoir covers stand open. Do not set a hot flatiron on the hearth or shelves.

If you use soft coal have your coal dry and well broken. Do not put much fuel on fire at a time. Clean the flues out often, and scrape both top and bottom of flue.

If you use hard coal always use range size. Fine coal will not do. Shake the grate often, and keep the clinkers and dead coals cleaned out of ends and corners of fire box. Keep the fire box filled up even with top of fire linings.

If you use wood always use wood linings. Do not cut the wood too long. It should be dry and well seasoned. Green or wet wood gives about half the heat that seasoned wood does, and burns slowly.

If you have a "National Stove" use LESS FUEL than you would with any other stove or range.

OUR GUARANTEE

Our stoves will always work with four joints of pipe out of doors in the open air, away from any buildings. Any stove that will operate under such a condition will work splendidly if properly put up to a good flue.

Never send back a stove complained of without first trying to correct the difficulty. If you can not do so, write us, and we shall be glad to offer suggestions.

National Stoves, Ranges and Furnaces

STOVES—THEIR OPERATION

Stoves do not have a draft, therefore do not expect them to draw; as well expect a buggy to run without the agency of a horse or other force to draw it. The chimney produces the draft, and the character of draft will be in relation to the character of chimney—good in a chimney which is built to promote draft, and bad or sluggish in a chimney which has obstructions.

A thorough understanding of the phenomena of draft will indicate the requirements of a chimney, make self-evident the existing evils, and point out the remedy in any chimney which lacks the required amount of draft for the successful operation of any stove attached.

Draft is caused by the unequal temperature of air. Rarefied air travels in a spiral column and rises into space, displacing cold air in its passage. If rarefied air is confined to a narrow passage, as in a chimney, it causes draft, which in strength will be in proportion to the length of the spiral column. These spirals of rarefied air begin at the entrance of the stovepipe into the chimney, and continue in a column to the top outlet. At their formation the beginning is slow, but increases in velocity until they reach the open air; therefore, if the column is of great length, the movement is quick, and is termed strong draft.

It is obvious, therefore, that a chimney must be constructed to favorably accommodate a spiral movement of rarefied air. A circular perpendicular shaft is the very best, because it has the exact form of the spiral column. A square form is next best; it, however, offers some obstructions, due to the four corners, which hold a neutral air. An elongated space is a direct opposite to the spiral current, and therefore is a great fault in a chimney. Curves or contractions are a severe fault, since they tend to disrupt the even flow of the spiral column. Short chimneys offer an impediment, since the spiral column is broken after it has had a chance to form only a few turns, and is correspondingly weak.

Other things being equal, length is an indication of draft. Factories and mills would not go to the expense of high smoke-stacks if it were not necessary to get sufficient draft and reach above surrounding obstructions to a free flow of air over the tops of chimneys. If the stovepipe does not enter the bottom of a chimney, make it the bottom by filling the chimney below the pipe entrance; this can be done with a piece of sheet iron and cementing in place. This is necessary, since the spiral column of rarefied air requires an unobstructed beginning as well as termination.

If a chimney requires additional length, continue it with brick of the same size, as shown in cut (Fig. 3). If sheet iron extension, be sure it has the same area as all the flues in the chimney, and put in flue partitions, as shown in cut (Fig. 1).

Where chimneys can not be extended above surrounding buildings or other obstructions use a revolving cowl, as in Fig. 1, or a branch stationary cowl, as in Fig. 2. A faulty chimney connection is shown in Fig. 6, since the connection is a reduction of the size pipe. It is equally faulty to reduce the size of pipe less than the pipe collar on the stove; stoves having 7-inch outlet collars have also 7-inch flue system throughout, and must have a 7-inch pipe to serve it.

New stoves will not bake on the bottom, because they are new and too clean. A few days' use will put an ash deposit on the main bottom under the oven, and retain the heat to the bottom oven plate, after which it will bake. In all cases where a stove is complained of, and actually fails to operate satisfactorily, the fault in either case of cooking or baking can be traced to the draft, which, as indicated above, may arise from many causes.

CONDENSATION IN STOVEPIPES

Its manifestation is a black tarry water leaking out of the stovepipe joints; this is caused by the moisture in the fuel. Wood, soft coal or hard coal contain a percentage of moisture, no matter how dry apparently; the degree of moisture is in the order in which they are named. When wood is slowly heated this moisture is given off in the form of vapor, and when the draft is made sluggish by closing the stove dampers this vapor condenses in the pipe, and, becoming mixed with the soot, the whole is called creosote.

When a brisk fire is kept up in the stove the creosote is not noticeable, as the rapid draft carries out the vapor before it has had time to condense and run out of the pipe. The remedy is to keep up a circulation; this can be done by an air opening in the pipe near its beginning, and acts as a check to the fire.

Stove dealers who will devote a little time to studying draft and its causes will save themselves much annoyance, and never find a stove that they can not make operate satisfactory to their customers.

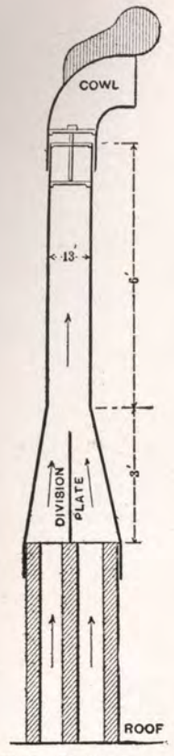


Fig. 1. To Improve a Weak Chimney

Fig. 2. Branch Chimney Cowl

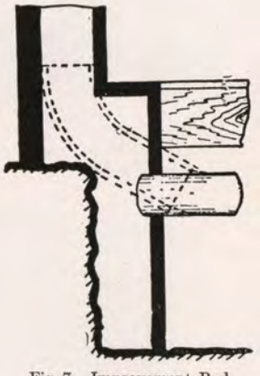


Fig. 7. Improvement Bad Conditions

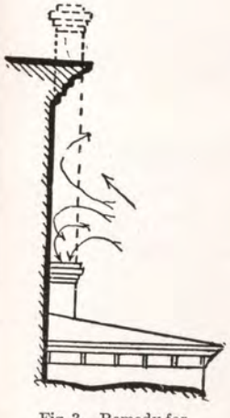


Fig. 3. Remedy for Low Chimney

Fig. 6. Faulty Chimney Connection

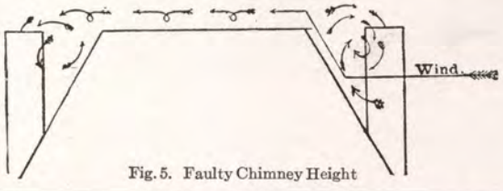


Fig. 5. Faulty Chimney Height

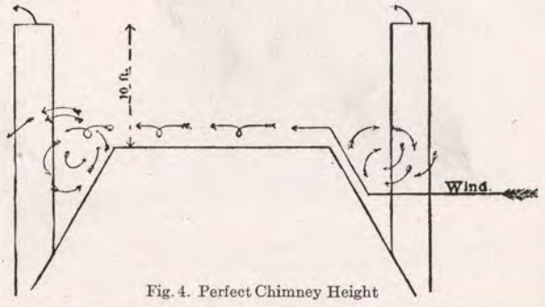


Fig. 4. Perfect Chimney Height

Excelsior Stove & Manufacturing Company

National Sheet-Metal Ranges

STRICTLY HIGH GRADE

FIG. 8
Interior View, Showing Arrangement of National Water Front Coil

Awarded Gold Medal at the World's Fair, 1904, for Efficiency, Durability and Simplicity. National Ranges are original in all features, imitating no other; they are better than any other make. Every feature in construction has been thoroughly considered to make them handsome, durable, simple and perfect in operation, giving special study to economy of fuel. We have succeeded so well in the latter that we guarantee National Ranges to do better work with less fuel than any other stoves or ranges on the market.

Fig. 8 shows the interior view of the arrangement of a National water-front coil. The coil consists of a double pipe that enters near the lower edge of the front grate, and forms two coils in the grate and two coils over the top of the fire box. The entire coil is at all times subjected to the direct action of the fire, and heats more water than any other style water-front. This view also shows the asbestos covering over the top oven plate, with the cast lining reinforcement on the front half, which thoroughly protects the oven from the fire.

Fig. 9. A rear view of range, showing the all-cast flue; also extension fire box, to accommodate long length wood, and our plunger damper, which is entirely outside the range body. The operating parts are not subjected to the fire, and therefore should be indestructible.

Fig. 10 shows our construction of Armco-ingot iron back flue mounted with a cast elbow, which is the point of wear. A soot deposit in this elbow can not rust it to destruction. The holes, shown below the back flue, ventilate under the range, and prevent overheating the floor.

Fig. 11. This view exhibits the space between the bottom grate and front grate, which allows free access to poke the fire, and preserves a clean grate at all times. The pronged front grate admits an ample supply of draft, producing perfect combustion across the entire fire box. Every feature of convenience has been thoroughly introduced in the construction of National Stoves and Ranges.

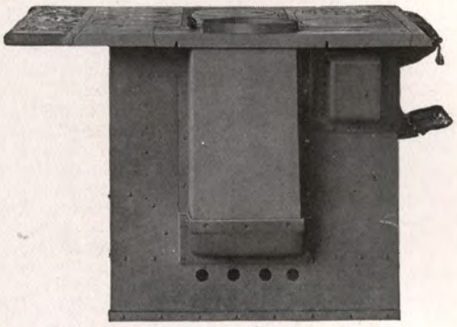


FIG. 10
Chief National, Rear View, Showing Cast Iron Back Flue Elbow and Back Flue

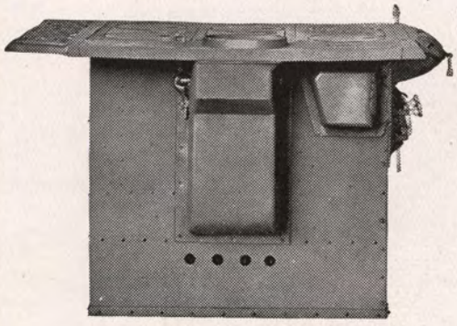


FIG. 9
National, Rear View, Showing All Cast Iron Back Flue and Outside Plunger Damper Rod—Also Ventilated Base

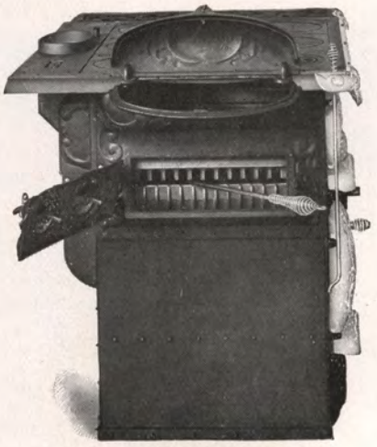


FIG. 11
Front View, Showing Poker Space Between the Grates and Large Coal Feed Opening

National Stoves, Ranges and Furnaces

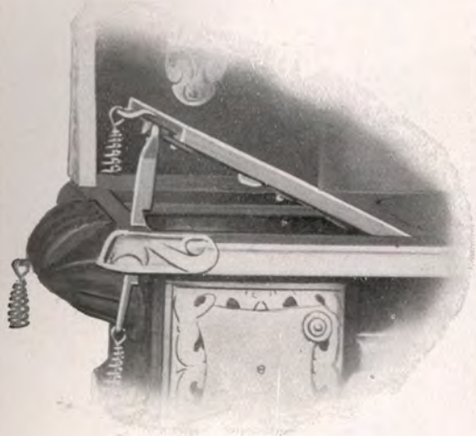


FIG. 12
Front Key-Plate Lifting Attachment, for Broiling, Toasting, Kindling Fire, etc.

FIG. 12 illustrates the National device for raising the front key-plate section of the top. The mechanism consists of a rachet bar, which supports the front key-plate at any angle. This presents a suitable space for broiling, toasting, etc., and is a special convenience to kindle a fire. Moreover, a very slight raising will serve as a check to any over-amount of fire in a few moments.

FIG. 13. This shows inside view of our method of constructing Armco-ingot iron ovens. The front and back of the oven is flanged all around, and riveted direct to the body. These flanges furnish extra strength, and thoroughly prevent the oven warping away from the body, especially in the spaces between the rivets. The double oven rack slide permits placing the rack high or low, as required for various kinds of baking.

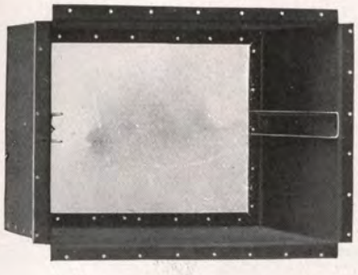


FIG. 13
Inside View of Oven, Made of One Piece, with Rib Joint in Bottom and Double Oven Rack Slides

FIG. 14. A bottom view of our National Armco-ingot iron oven, showing the rib joint in center of oven bottom. This joint represents the two ends of the sheet flanged downward one inch and riveted together, being a part of the solid stock. It forms a truss across the oven, which forever holds the oven bottom straight. A reinforcement is effected by the two cast-iron bar braces on each side of the rib joint.

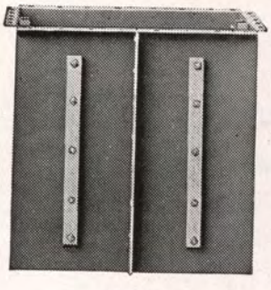


FIG. 14
Bottom View of Oven, Showing Rib Joint and Cast Iron Bar Braces—the Never-Warp Method

FIG. 15. Inside view of our National reservoir casing. The damper shown midway between the reservoir bottom and casing bottom forces all the heat against the reservoir front and bottom, after which the heat passes under the damper, and into the bottom flue of the range. Condensation in all encased reservoirs is caused every time cold water is put into the boiler, the cause being unequal temperature. This condensation amounts to nearly a pint in quantity. To prevent its running out, and onto the floor, we provide a trough in the casing bottom, which retains the liquid until it evaporates.

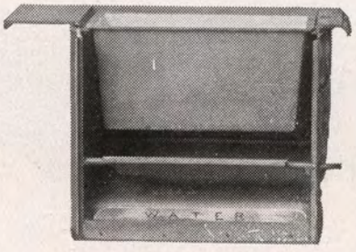


FIG. 15
Inside View of National Reservoir Casing, Showing Condensation Trough; Prevents Creosote Running on the Floor

FIG. 16. This illustrates the best possible method of reservoir construction. There is no damper to confuse the operator, and no condensation; no soot deposit on the reservoir boiler that interferes with proper heating of the water. It can not interfere with proper baking of the range, since it has outside contact only. Average capacity 10 gallons. Easily attached or detached. A special fastening device allows the reservoir to be bolted to the body permanently and is sufficiently strong so that the range may be carried by the reservoir. Universally satisfactory.

FIG. 16
Exposed View of National Contact Reservoir, Showing Large Contact Surface and Cast Iron Casing

FIG. 17. Insulated oven door. Consists of two separate sheets of steel, with a dead air space that prevents the oven radiation and loss of heat. It also prevents tarnish of the nickel trimmings, and a more uniformly heated oven.

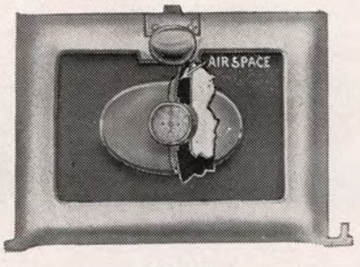


FIG. 17
Broken View Insulated Oven Door, Built Like a Refrigerator Door, with Dead Air Space

Excelsior Stove & Manufacturing Company

FIG. 18
Simmering Cover; Milk, Rice, etc., Cooked on this Cover Will Never Burn

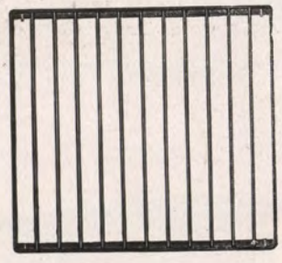


FIG. 19
National Never-Break Wire Oven Rack

FIG. 20
National Key-Plate, Bottom View, Reinforced Covers and Centers

FIG. 21
Porcupine Fire Back, Guaranteed Twenty-Five Years

FIG. 18. A convenience of incalculable merit, a necessity at time of cooking every meal, the place for slow cooking, indispensable for cooking cereals. The small cover in the center is adapted for small cooking vessels.

FIG. 19. National never-break wire oven rack, strong and substantial. Offers no obstruction to a free circulation of heat throughout the oven space, and insures uniform baking top and bottom.

FIG. 20. Bottom view of National key-plate center, with angle flange around all the edges, making a strong and durable plate. The covers and cross-centers are reinforced with flanges over the under surfaces. These equalize the expansion, and prevent cracking.

FIG. 21. The National wonderful porcupine fire back, the feature that has put National Stoves and Ranges in advance of all others. This fire back radiates the heat into the oven through direct radiation, and also through "pin radiation"; each pin, or porcupine, conducts a supply of heat to the oven direct from the fire the moment a fire is started; therefore, as soon as the fire has attained the 225 degrees C. of heat necessary, the oven will register the same temperature; in consequence it is then ready for baking. It is obvious, therefore, that a small amount of fuel is required to obtain the desired results. When using a National Stove or Range you buy only half the fuel required in other ranges. This form of construction makes the fire back exceptionally durable. We guarantee it for twenty-five years or the entire life of the stove.

FIG. 22. Our National oven thermometer saves time, fuel and badly baked food. It enables you to do all kinds of baking with certainty and exactness. It measures heat just as a clock measures time. Tells you when your oven has reached the degree of heat desired. It avoids bad luck with your baking, which is due to an improperly heated oven more than to any other cause.

FIG. 23 is described in Fig. 8.

FIGS. 24, 25. These show the National cast water-front and cast water-back. Every one is tested to one hundred pounds pressure, which insures perfect goods.

FIG. 22
National Oven Thermometer, Accurately Registers the Heat in the Oven

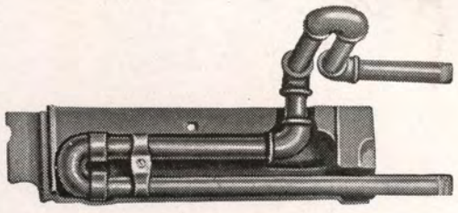


FIG. 23
National Front Water-Coil

FIG. 24
National Cast Water-Front, Made Extra Strong, with Large Water Channels

FIG. 25
National Cast Water-Back, Heats the Greatest Amount of Water, Does Not Interfere with the Baking of the Oven

National Stoves, Ranges and Furnaces

Fig. 26
National Two-Pipe Water-Back Coil

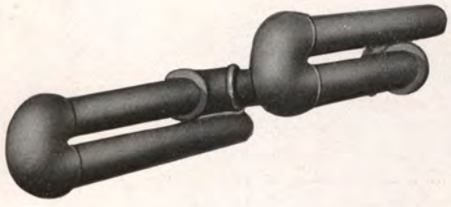


Fig. 27
National Two-Pipe Front and Back Water-Coil (Pacific Coast Style)

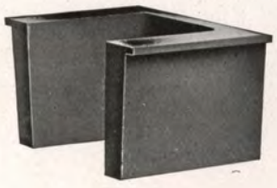


Fig. 28
Cast Water U Heater Used in Our Hotel National

Fig. 29
Cast Water Front "L,"
Takes the place of the Front Grate and End Lining

Fig. 26. This is a two-pipe water coil that lays against the fire back. It can not interfere with baking in the oven, since it does not cover the fire back. It is covered with fire nearly all the time, and heats a greater amount of water than a cast water-back.

Fig. 27. Represents our two-pipe front and back water coil. Two of the pipes lay into the front grate, and the other two pipes lay against the fire back. A cross-pipe in the rear connects the two sets of pipes. This cross-pipe is housed in the cast firebox extension back of the end lining, therefore it does not occupy fire box space.

Fig. 28. Represents our cast water U used in our Hotel National. It occupies the rear of fire box and both sides extend half way of the fire back space. It has a web in the center to promote perfect circulation of the water, fitted for 1¼-inch pipe.

Fig. 29. This is our water front "L." It is made of cast iron. Takes the place of the front grate and rear end lining. It has an inside partition through the center for perfect circulation of the water.

Figs. 30, 31. National duplex grate. Made without a grate frame, a bar on each end serves all requirements, thereby avoiding the conditions which get the grate out of order. Solid sides make of it a perfect wood grate when in a closed position, and at the same time reduce the depth of fire box when wood is used as a fuel. Lateral bars the full length of grate sides prevent coal or clinkers from interfering with the ease in dumping the grate while the fire is burning. The cog wheels are outside the fire line, and are not subject to injury.

Fig. 32. That all chimneys do not present a uniform draft is so obvious that it ought not require any argument at all, and yet people will attach any kind of range or stove to any kind of chimney and expect satisfactory results. There can be no guesswork and no failure; no getting the oven too hot and burning the baking; no waste of fuel when you use our patent regulating pipe damper. This controls absolutely the chimney draft to a desired degree.

Fig. 33. Shows our construction of leg base stoves and ranges. The front section of the base is made portable, and arranged to lift upward and out of the way when sweeping under the range. A novel arrangement holds it suspended while in use, after which a push with the foot drops it back to place. A sub-base strip back of the portable base section holds the legs firmly in place.

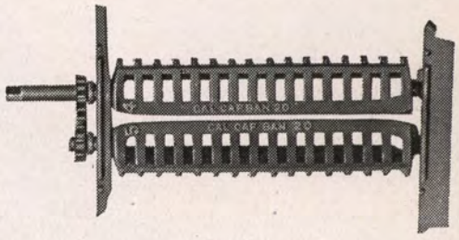


Fig. 30
National Duplex Grate for Coal

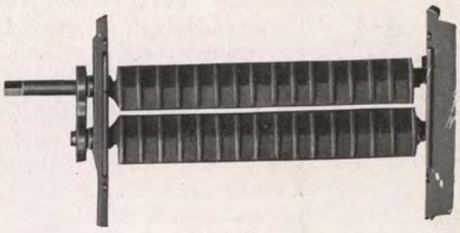


Fig. 31
Reversed for Wood, No Grate Frames to Warp, Removable Without Disturbing Water-Fronts or Water-Backs

Fig. 32
National Patent Pipe Regulating Damper

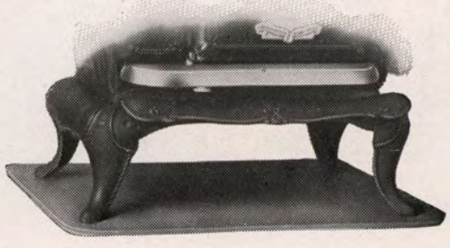


Fig. 33
Base-Raising Feature, a Convenience When Sweeping Under Stove

Excelsior Stove & Manufacturing Company

Hotel National

DOUBLE OVEN ARMCO-INGOT IRON RANGE

This range has two ovens and single fire. It is provided with a direct draft damper and slide damper over the flues of each oven. These dampers may be operated at will, closing off one oven at any time. This leaves one oven in operation and the other serving as a warming closet. Both ovens may be operated at the same time. The fire box is provided with a duplex grate for coal (reversing the grate adapts it for wood). It has extra heavy substantial cast iron linings and large pouch feed door.

The water heater consists of a U-shaped section of the fire box, which is the only form of construction that equalizes the heat in both ovens, and will heat more water than any other. This range is built in a first-class manner. The body is heavy Armco-ingot iron plate, with extra Armco-ingot iron plate and asbestos lining, making three distinct walls. The ovens are ribbed and braced on the bottom with angle irons. The top oven plate is covered with a cast iron fretwork and cement coated. It has a double main bottom. The body is black japanned, oven doors are double lined, with dead air space (like a refrigerator door) preventing escape of the heat, and making a corresponding saving in fuel.

We have spared no expense to make this range first-class in every respect, so as to withstand hard usage. While this construction will not permit us to compete with the cheap ranges offered to the trade, our prices are as low as consistent with high-class construction.

We furnish these ranges with ten 8-inch or ten 9-inch cooking holes in key-plate tops with loose short centers. Can also furnish them with French plate top, consisting of three solid plate sections without covers, excepting center section, provided with one 13-inch hole and reducing ring to 9 inch.

Highly nickel trimmed to lend a clean and bright appearance to the kitchen.

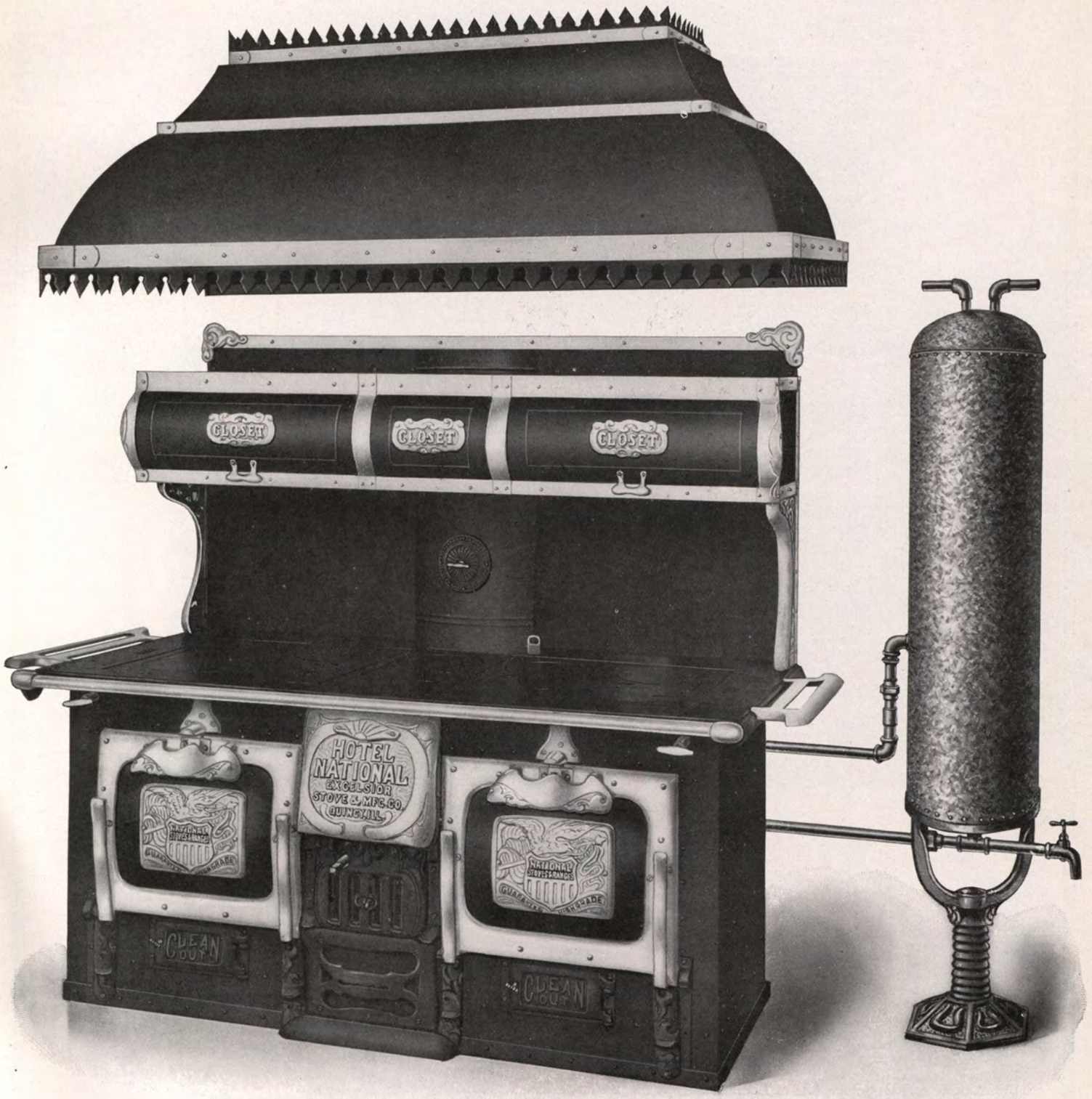
FOR HARD COAL, SOFT COAL OR WOOD

Factory Number	Holes	Ovens, Each	Top Surface	Weight	List	Protection Number	Code Word
820	Ten 8 inch	20x24x16	34x67	960	**$216.00**	197205	Bespread
920	Ten 9 inch	20x24x16	34x67	970	**219.00**	198553	Bestral
20 F. T. (French Top)		20x24x16	34x67	960	**216.00**	197207	Bestir
High Shelf and first joint Pipe, extra				85	**14.25**	16419	Waste
High Closet and first joint Pipe, extra				120	**24.50**	111037	Wall
Cast U Water Heater fitted in Range, Fig. 28, extra				65	**16.00**	17203	Watery
Cast U Water Heater separate from Range, extra				65	**19.50**	18785	Water
35-gallon galvanized Pressure Boiler with Stand, extra				85	**20.00**	19009	Walrus
52-gallon galvanized Pressure Boiler with Stand, extra				145	**29.50**	113289	Waltz
Pipe Connections from Pressure Boiler to Water U, extra				35	**17.00**	17653	Wander
Canopy over Range, nickel trimmed, extra				160	**29.50**	113285	Warble

Triple Plated Nickel Trimmings.—Oven doors, oven door panels and handles, oven door stops, fire door, front towel bar, end towel rails, shaker, and all edges, brackets and jambs on high shelf and high closet.

Water Heater Illustrated, page 15.

National Stoves, Ranges and Furnaces



Japanned Armco-Ingot Iron Range,
Double Oven

Hotel National

Description and Prices, Opposite Page

For Hard Coal, Soft Coal or Wood

Excelsior Stove & Manufacturing Company

Japanned Armco-Ingot Iron Range

Cafe National

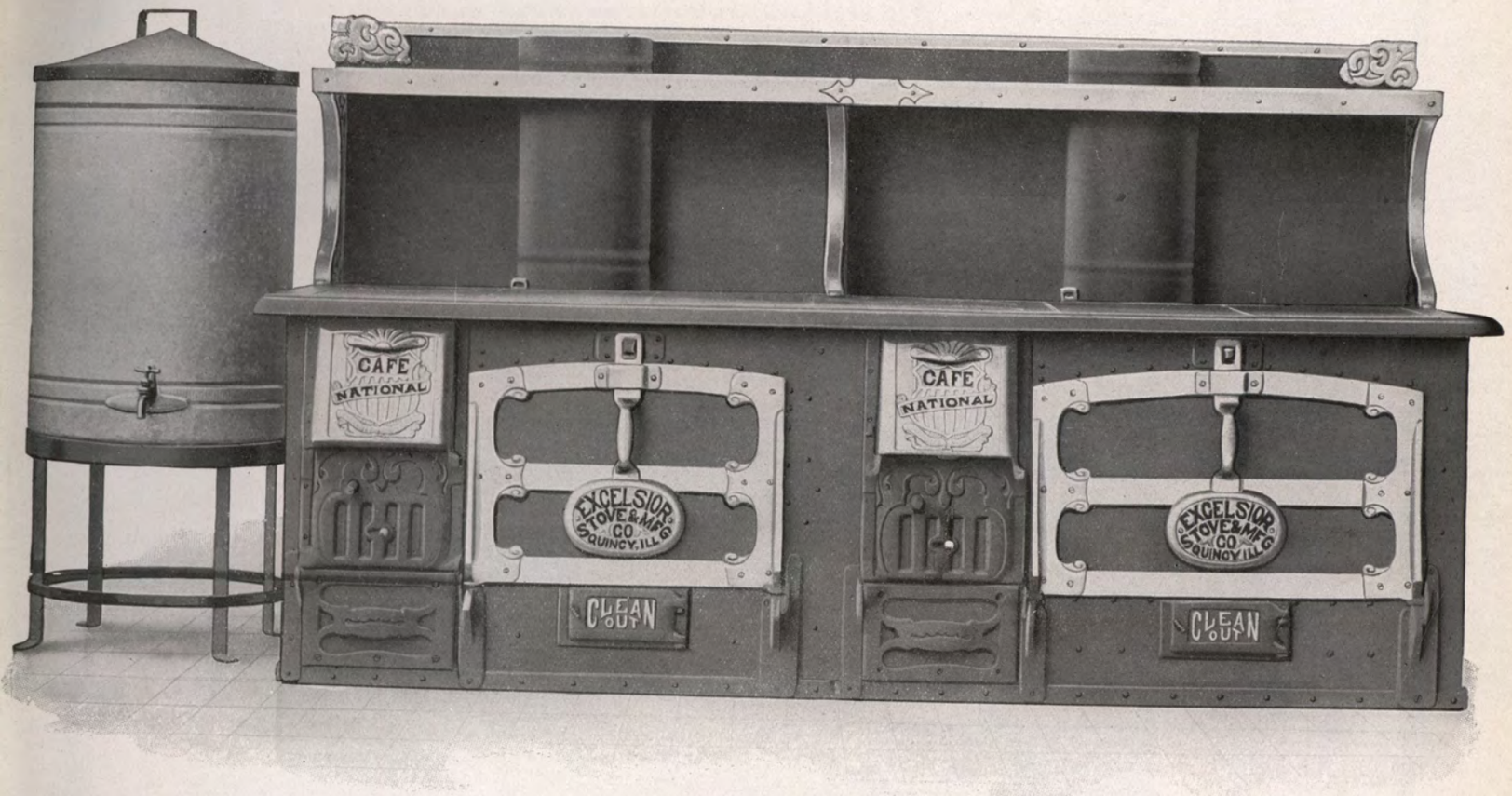
WITH HIGH SHELF

For Hard Coal, Soft Coal or Wood

Factory Number	Ovens	Top Surface	Weight	List	Protection Number	Code Word
924	24x24x16½	34x47	624	**$126.00**	256708	Botany
930	30x24x16½	34x53	680	**144.00**	264802	Bother
Extra Wood Grate, to make shallow Fire Box, extra			20	**2.25**	21026	Wooden
Cast Water Front fitted in Range, Fig. 24, made extra large, extra			45	**8.25**	23714	Watery
Cast Water Front separate from Range, extra			45	**11.50**	25188	Water
50-gallon galvanized Steel Tank, with Cover, Brass Faucet and plain Stand, extra			120	**19.00**	28554	Whiten
75-gallon Tank, same as above, extra			130	**23.50**	210582	Whither
Pipe Connections, Range to above Tank			12	**3.50**	21588	Wander
Pressure Boilers—See Hotel National.						
Canopy for No. 924—See Hotel National, extra			140	**25.00**	211256	Whip
Canopy for No. 930—See Hotel National, extra			150	**26.25**	211814	Whirl
If wanted without High Shelf and First Joint Pipe, deduct				**13.25**	25964	Whisk
Breeching to connect Smoke Pipe of Double Range to Single Flue, extra				**21.25**	29562	Wither

We do not furnish couplings for lead pipe connections from water front to tank. Galvanized iron pipe must be used for this purpose. We furnish these ranges with two 9-inch holes, four 9-inch holes, six 9-inch holes, or entire top solid in three sections. (French top.) Always state in ordering style top wanted. Unless otherwise specified, we ship all ranges two 9-inch holes in front section, and balance of top solid plates. These ranges can be set tandem, two or more may be coupled together. For this purpose we furnish them with a special coupler top section. For prices, each Range set tandem, use above prices. (See description of Tandem Range, opposite page.) Description, page 20.

National Stoves, Ranges and Furnaces



Japanned Armco-Ingot Iron Range

Cafe National

For Hard Coal, Soft Coal or Wood

This view shows our Cafe National set (tandem), consisting of one No. 924 and one No. 930 coupled together. We can furnish these in any number, set together with invisible smoke pipe, if so desired, at an extra charge.

For Prices, see Page 18

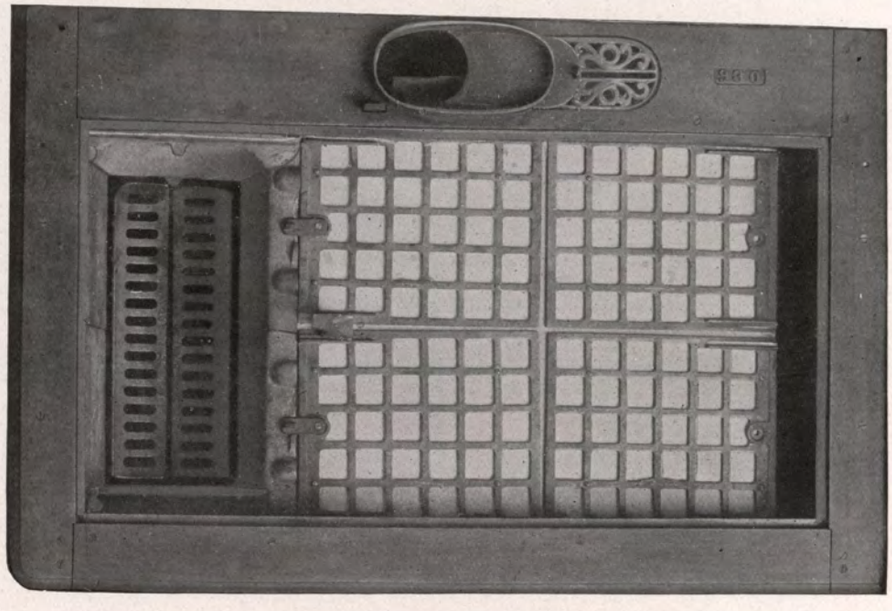
Excelsior Stove & Manufacturing Company

Cafe National

FOR HARD COAL, SOFT COAL OR WOOD

The Cafe National is especially adapted for hotel, restaurant and camp purposes. It is constructed in all its features extra heavy and substantial. The top of oven is concave, and covered with asbestos. It is also reinforced with cast iron fretwork, which will hold ashes in all the meshes, and serve as a further protection to the oven. The fire back and front lining are sectional and interchangeable; the grate is the National duplex for coal; reversed, it forms a perfect wood grate; the grate may be removed through front of range without disturbing the water connections. Combination pipe damper and check draft located in range top consists of a slide plate that automatically closes the pipe opening partially, and admits a supply of air through the fretwork openings, to carry off the gases and check the fire. A plunger damper, for direct draft, enables a quick fire at all times. Oven bottom is made with two-rib joints, and bar iron braces to prevent warping. The body is thoroughly lined with asbestos and Armco-ingot iron plate lining, making a three-wall system. It is also provided with a false bottom and ventilated space between the main and false bottom, which thoroughly prevents heating the floor under the range. Drop pouch door is $7\frac{1}{2}$x$9\frac{1}{4}$ inches; permits the use of large size coal or wood. It will serve wood 26 inches long. The oven door horizontal bars are wrought iron and non-breakable.

Arranged for cast water front, using one-inch pipe. Body finish is black japanned. Trimmings, ground polish. These ranges can be set (tandem), two or more coupled in a continuous line. For this purpose we provide a coupler top. The regular high shelves used on single oven ranges may be used when two or more are set tandem. These ranges may also be set in the center of kitchen (Center Range), setting as many as desired back to back. This form can also be furnished with invisible smoke pipe and Center Range high shelf. Prices on Center Ranges furnished on application.



Top View of Cafe National

Showing interior of firebox, fretwork over oven top, and asbestos covering, also check damper in pipe collar; this consists of a flat damper plate that fits flush into the top and slides under the smoke collar, partially closing off the pipe opening and exposing a fretwork opening into the flue space, which admits cold air to check the fire.

National Stoves, Ranges and Furnaces

Armco Ingot-Iron

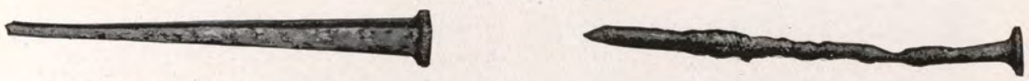
A BRIEF DESCRIPTION OF WHAT IT IS

That sheet steel, wrought iron, steel wire and cut nails made in recent years are very susceptible to rust and consequently short-lived is well known to every one. This has brought forth the question, why can we not obtain sheet metals to-day that wear like the irons of sixty years ago?

Careful research on this subject developed the fact that rust or corrosion of metals is due to the impurities contained in the metal. In the early days much attention was given toward the elimination of the impurities in the metal during its process of manufacture.

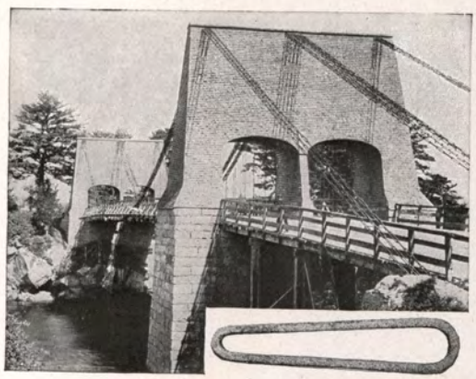
You've seen proof on your own farm of the superiority of iron over steel.

Look at these two nails



The iron nail has seen thirty-eight years of service while the round steel nail is gone with only eleven years' use. You have seen many such comparisons. Did you ever wonder why there is such a difference in their rust resisting qualities?

Pure iron resists corrosion, almost indefinitely. Impurities in the iron give way quickly, evidenced by "Pin Holes" and rust in spots, over the entire surface of the sheet, which destroys it completely. The solution therefore to obtain a durable iron consists alone in the production of as nearly pure iron as possible.



THE NEWBURYPORT BRIDGE

There was recently obtained a link of a chain which had done service in supporting a bridge at Newburyport, Mass., for almost a hundred years, and during that time continuously exposed to the weather. A careful analysis showed the iron in this chain to be the purest old-fashioned iron that has come to the attention of the investigators.

How near our Armco-ingot iron comes to the perfection of the iron contained in this chain may be noted from the following table of analysis:

	Newbury Iron	Armco-Ingot Iron
Sulphur	.007	.021
Phosphorus	.032	.005
Carbon	.05	.02
Manganese	None	Trace
Silicon	.019	Trace

This means that ingot iron will last as long as the old-fashioned iron of a hundred years ago. Ingot iron is 99.84% pure iron. It never contains more than 16-100 of 1% impurities.

We do not claim that Armco-ingot iron will not rust. Armco-ingot iron does rust—however, very slowly and very evenly. Rust will not pit it, or eat holes through it. So slowly does it rust that after fifteen years of use in stoves and furnaces not one has rusted to destruction.

CORROSION TEST:

Samples immersed in a 5% solution of sulphuric acid and water for twenty-four days:

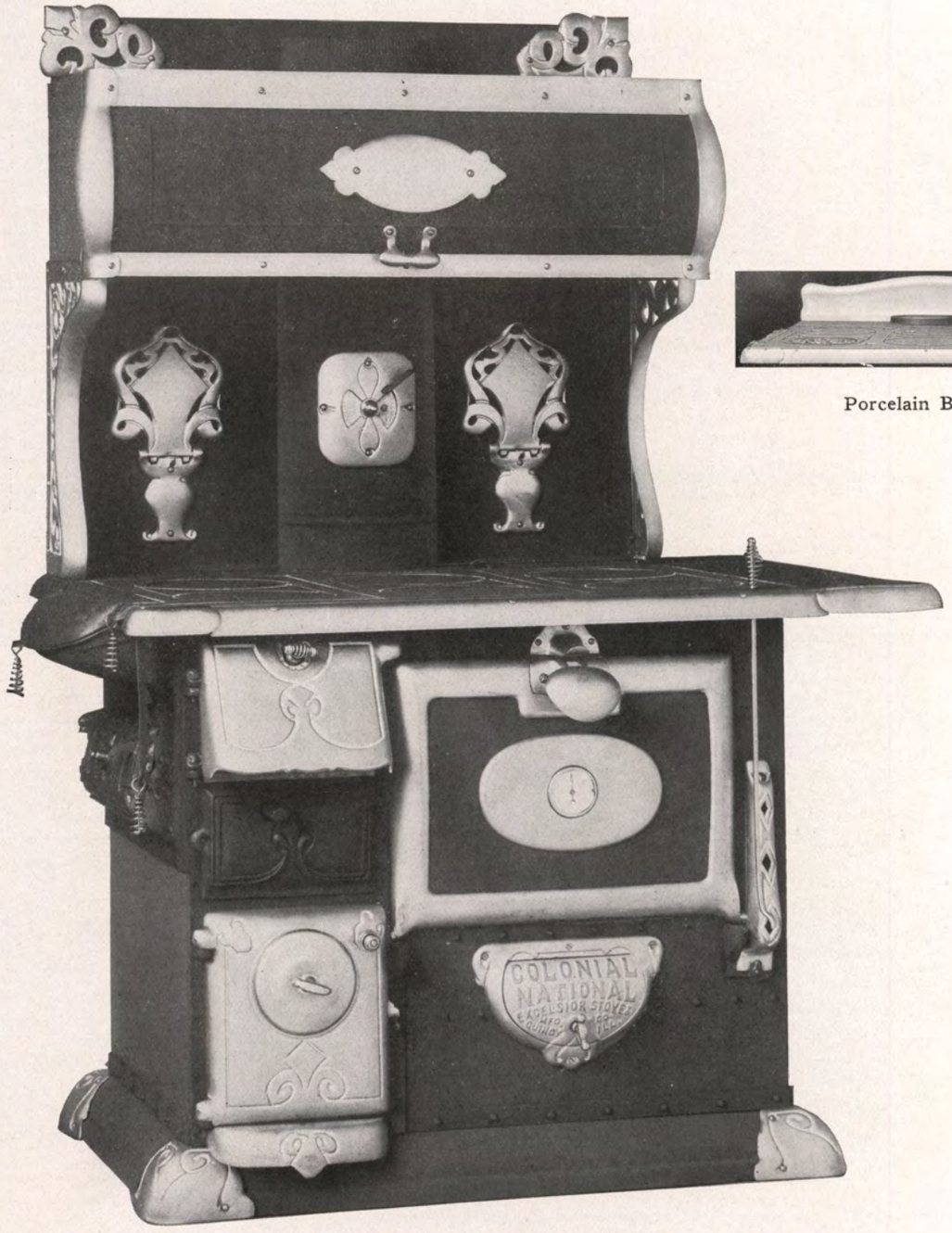
Loss steel..... 14.41% Loss ingot iron..... 0.21%

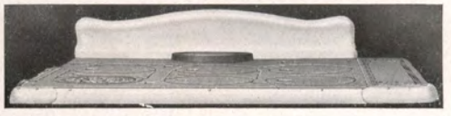
In this test the steel lost 70 times as much as ingot iron in the same acid and for the same length of time.

National Sheet Metal Ranges are made of Armco-ingot iron. It will cost you less in the end, because it will last many years longer. You can depend on the **best** if it's a **National.**

EXCELSIOR STOVE & MFG. CO.

Excelsior Stove & Manufacturing Company





Porcelain Balustrade

Blue Polished Armco-Ingot Iron Range

Colonial National

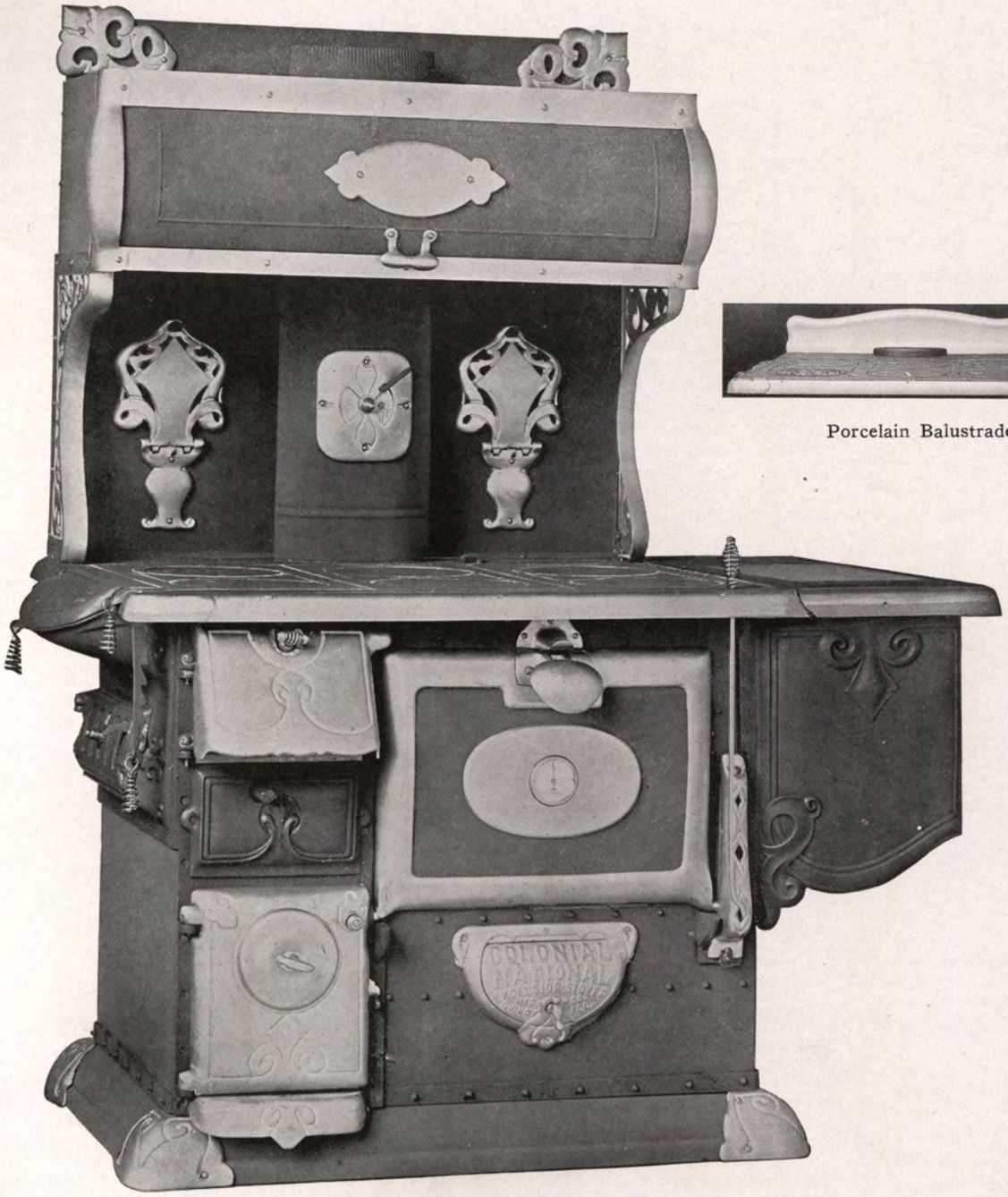
SQUARE WITH HIGH CLOSET

Description and Price, Pages 24-25

For Hard Coal, Soft Coal or Wood

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces



Porcelain Balustrade

Blue Polished Armco-Ingot Iron Range

Colonial National

For Hard Coal, Soft Coal or Wood

WITH RESERVOIR AND HIGH CLOSET

Description and Price, Pages 24-25

THE FIRE BACK IN THIS RANGE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Colonial National

ARMCO-INGOT IRON RANGE

FOR HARD COAL, SOFT COAL OR WOOD

Construction — A plain and handsome design, rich in appearance, and high-grade construction in every detail, nothing has been omitted that lends to efficiency and durability. The body is extra heavy, blue polished, mirror finish, Armco-ingot iron. The main bottom and flues are thoroughly asbestos lined. The flues are reinforced with Armco-ingot iron plate lining, making a three-wall system. The top oven plate is covered with asbestos and reinforced on front section with cast iron plates to resist the direct action of the fire; all cast-back flue. Sheet flue system, with extra large flues, insures easy draft, with the use of soft coal or wood, and require infrequent cleaning. The top is cut in four sections, and fitted with our key-plate raising attachment, also key-plate centers and loose short centers, extra heavy covers, substantial center rest. Combination end swing feed for wood and drop pouch feed for coal; extra large sheet steel ash pan. Mounted on loose steel base with elaborate nickel corners. Ventilated bottom that prevents heating the floor under the range. One simmering cover furnished with each range.

Oven — Large, square, high and roomy, provided with non-breakable wire oven rack. The oven door is double and insulated (like a refrigerator door). It is provided with outside spring, which balances the door and makes it easy to open or close.

Fire Box — Extra heavy cast linings, and fire box extension for long lengths wood. National duplex grates, removable through end without disturbing lining, fitted with the wonderful porcupine fire back (guaranteed twenty-five years).

Damper — Plunger damper for direct draft, operates on outside of body and can never warp. Slide damper in front door and extra large screw damper in ash door provides ample supply of draft.

Reservoir — We furnish a cast porcelain lined reservoir that heats by the use of our flue-shifting damper, all the products of combustion passing around the boiler to heat the water, capacity 5¼ gallons. We also furnish a copper reservoir, thoroughly tinned inside, and heats by contact. It lays close against the range body and heats continually, capacity 10 gallons. The contact reservoir is portable, easily attached to square-top range. It may be bolted permanently to the body, if desired, so that the range may be carried by the reservoir.

Thermometer — Furnished with all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

Water Heater — Arranged for cast water-front, cast water-back, front water-coil and two-pipe water-back coil. Our system of water-back heats most water and does not interfere with baking.

High Closet — Made of blue polished steel, highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door, oven door panel, handle and catch, fire door, ash door, flue door and frame, ash guard, base corners, front top edge, towel rod, grate shaker, cover lifter, knobs, keys and all edges, brackets, jambs, door panel and handle, pipe damper, teapot shelves and balustrade corners on high closets.

National Stoves, Ranges and Furnaces

Colonial National

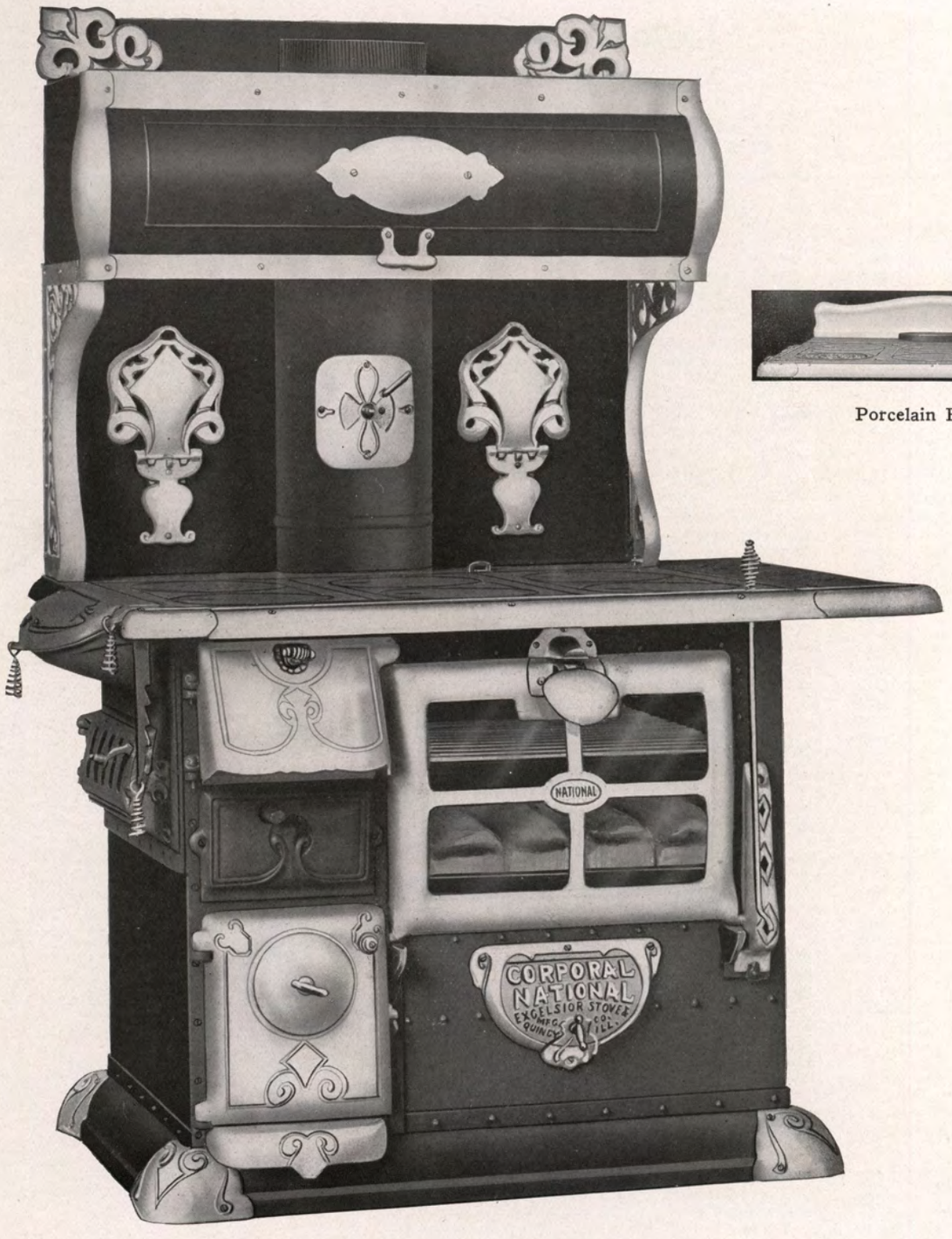
ARMCO-INGOT IRON RANGE

FOR HARD COAL, SOFT COAL OR WOOD

	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
Square with Porcelain Balustrade	8416	Four 8 inch	16x20x13	29x41	356	$58.50	326339	Bankrupt
	8616	Six 8 inch	16x20x13	29x41	356	58.50	326343	Baliff
	9616	Four 9, Two 7 inch	16x20x13	29x41	359	59.50	326785	Bankable
	8618	Six 8 inch	18x20x13	29x43	367	63.00	328369	Banker
	9618	Six 9 inch	18x20x13	29x43	370	64.00	328817	Banking
	8620	Six 8 inch	20x20x13	29x45	378	67.50	330385	Banquet
	9620	Six 9 inch	20x20x13	29x45	381	68.50	330837	Bans
Porcelain Reservoir with Porcelain Balustrade	8416	Four 8 inch	16x20x13	29x46	438	$71.50	332185	Bankbill
	8616	Six 8 inch	16x20x13	29x46	438	71.50	332193	Bantam
	9616	Four 9, Two 7 inch	16x20x13	29x46	441	72.50	332639	Bannock
	8618	Six 8 inch	18x20x13	29x48	449	76.00	334217	Banter
	9618	Six 9 inch	18x20x13	29x48	452	77.00	334663	Bantling
	8620	Six 8 inch	20x20x13	29x50	460	80.50	336235	Bosh
	9620	Six 9 inch	20x20x13	29x50	463	81.50	336689	Barb
Copper Reservoir with Porcelain Balustrade	8416	Four 8 inch	16x20x13	29x46	419	$73.25	332973	Blade
	8616	Six 8 inch	16x20x13	29x46	419	73.25	332985	Blain
	9616	Four 9, Two 7 inch	16x20x13	29x46	422	74.25	333427	Blame
	8618	Six 8 inch	18x20x13	29x48	430	77.75	335009	Blanch
	9618	Six 9 inch	18x20x13	29x48	433	78.75	335457	Bland
	8620	Six 8 inch	20x20x13	29x50	441	82 25	337023	Blanket
	9620	Six 9 inch	20x20x13	29x50	444	83.25	337477	Blarney
Square with Steel High Closet	8416	Four 8 inch	16x20x13	29x41	421	$70.00	331509	Bareface
	8616	Six 8 inch	16x20x13	29x41	421	70.00	331515	Barilla
	9616	Four 9, Two 7 inch	16x20x13	29x41	424	71.00	331953	Barefoot
	8618	Six 8 inch	18x20x13	29x43	432	74.50	333537	Barked
	9618	Six 9 inch	18x20x13	29x43	435	75.50	333985	Barking
	8620	Six 8 inch	20x20x13	29x45	443	79.00	335553	Barley
	9620	Six 9 inch	20x20x13	29x45	446	80.00	336009	Barm
Porcelain Reservoir with Steel High Closet	8416	Four 8 inch	16x20x13	29x46	503	$83.00	337355	Barometer
	8616	Six 8 inch	16x20x13	29x46	503	83.00	337367	Barnyard
	9616	Four 9, Two 7 inch	16x20x13	29x46	506	84.00	337809	Baronage
	8618	Six 8 inch	18x20x13	29x48	514	87.50	339385	Baron
	9618	Six 9 inch	18x20x13	29x48	517	88.50	339833	Baronet
	8620	Six 8 inch	20x20x13	29x50	525	92.00	341405	Baroney
	9620	Six 9 inch	20x20x13	29x50	528	93.00	341859	Baronial
Copper Reservoir with Steel High Closet	8416	Four 8 inch	16x20x13	29x46	484	$84.75	338147	Blind
	8616	Six 8 inch	16x20x13	29x46	484	84.75	338153	Bliston
	9616	Four 9, Two 7 inch	16x20x13	29x46	487	85.75	338595	Blister
	8618	Six 8 inch	18x20x13	29x48	495	89.25	340167	Blithe
	9618	Six 9 inch	18x20x13	29x48	498	90.25	340615	Bloat
	8620	Six 8 inch	20x20x13	29x50	506	93.75	342197	Block
	9620	Six 9 inch	20x20x13	29x50	509	94.75	342649	Blonde
Water Heater fitted in Range, Figs. 23, 24, 25, extra						$ 4.75	32143	Watery
Water Heater separate from Range, extra						6.00	32707	Water
Two-Pipe Water-Back Coil, Fig. 26, extra						2.25	31025	Wattle
Copper Reservoir ordered separate from Range, extra						15.50	36987	Web
If wanted without Balustrade, deduct						2.25	31029	Wild

Copper Reservoir Boiler, 10-gallon capacity, heats by contact.
Porcelain Reservoir Boiler, 5¼-gallon capacity, heats by Revertible Flue.
*Top surface measurements include Back Top Shelf on Square Ranges.
Water Heaters described on pages 14-15.

Excelsior Stove & Manufacturing Company



Porcelain Balustrade

Blue Polished Armco-Ingot Iron Range **Corporal National** For Hard Coal, Soft Coal or Wood

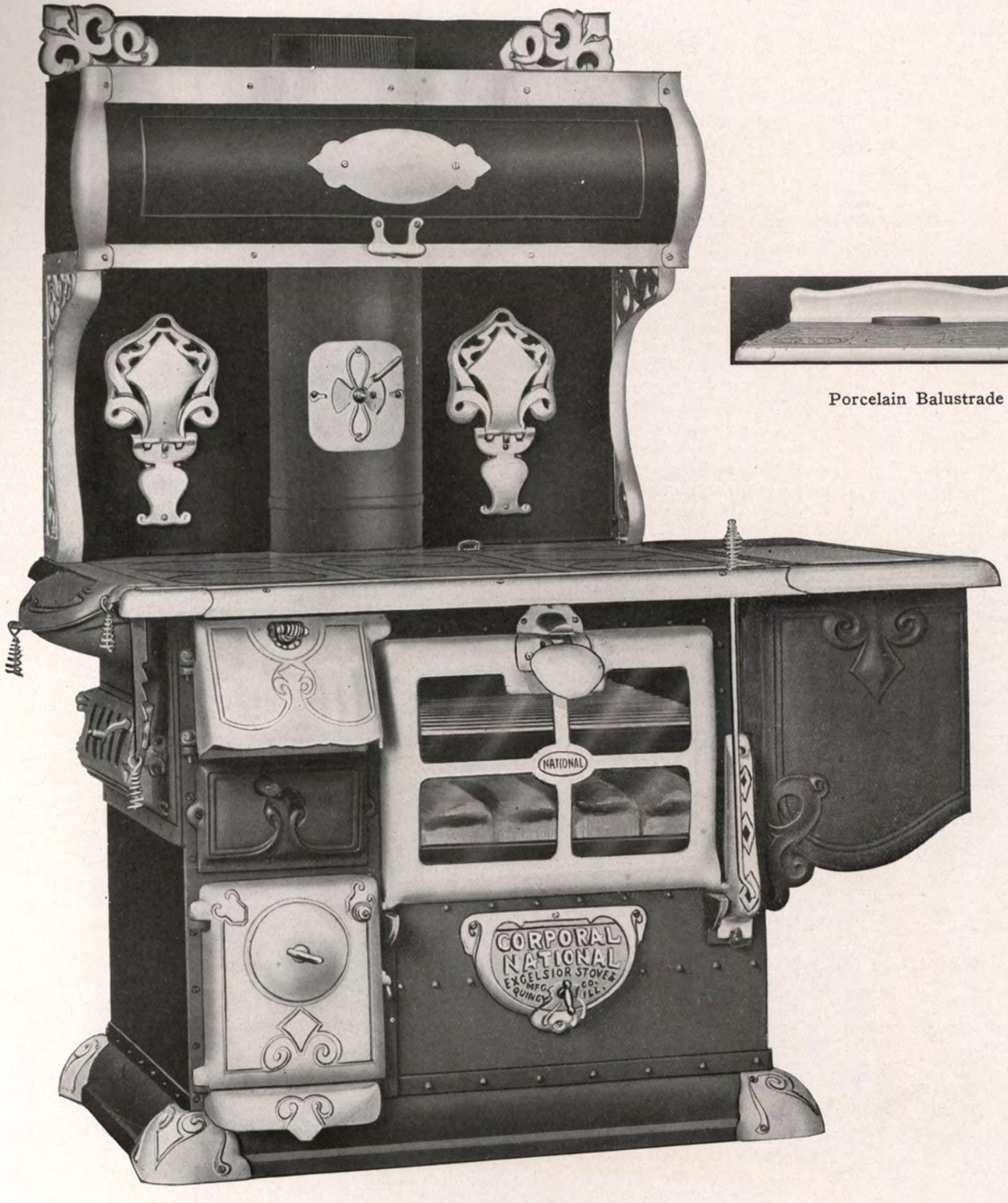
SQUARE WITH HIGH CLOSET

Description and Price, Pages 28-29

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces

Porcelain Balustrade



Blue Polished Armco-Ingot Iron Range **Corporal National** For Hard Coal, Soft Coal or Wood

WITH RESERVOIR AND HIGH CLOSET

Description and Price, Pages 28-29

THE FIRE BACK IN THIS RANGE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Corporal National

ARMCO-INGOT IRON RANGE

With Daylight Oven Door

FOR HARD COAL, SOFT COAL OR WOOD

Construction — A plain and handsome design, rich in appearance, and high-grade construction in every detail; nothing has been omitted that lends to efficiency and durability. The body is extra heavy blue finish Armco-ingot iron. The main bottom and flues are thoroughly asbestos lined. The flues are reinforced with Armco-ingot iron lining, making a three-wall system. The top oven plate is covered with asbestos and reinforced on front section with cast iron plates to resist the direct action of the fire; all cast-back flue. Sheet flue system, with extra large flues, insures easy draft, with the use of soft coal or wood, and requires infrequent cleaning. The top is cut in four sections, and fitted with our key-plate raising attachment, also key-plate centers and loose short centers, extra heavy covers, substantial center rest. Combination end swing feed for wood and drop pouch feed for coal; extra large sheet steel ash pan. Mounted on loose steel base with elaborate nickel corners. Ventilated bottom that prevents heating the floor under the range. One simmering cover furnished with each range.

Daylight Oven — Large, square, high and roomy. The oven door contains four sections of mica, which admit daylight into the oven; the progress of baking is visible at all times without opening the door. The mica frame is easily removed to replace mica; extra bars on the mica frame retain the flat shelf when door is open. The oven door is also provided with outside spring which balances the door, and makes it easy to open or close.

Fire Box — Extra heavy cast linings, and fire-box extension for long lengths wood. National Duplex grates, removable through end without disturbing lining, fitted with our wonderful porcupine fire back (guaranteed twenty-five years).

Damper — Plunger damper for direct draft, operates on outside of body and can never warp. Slide damper in front door, and extra large screw damper in ash door, provides ample supply of draft.

Reservoir — We furnish a cast porcelain lined reservoir that heats by the use of our flue-shifting damper, all the products of combustion passing around the boiler to heat the water, capacity 5¼ gallons. We also furnish a copper reservoir, thoroughly tinned inside, and heats by contact. It lays close against the range body, heating the water continually, capacity 10 gallons. The contact reservoir is portable, easily attached to square-top range. It may be bolted permanently to the body, if desired, so that the range may be carried by the reservoir.

Water Heater — Arranged for cast water-front, cast water-back, front water-coil and two-pipe water-back coil. Our system of water-back heats most water and does not interfere with baking.

High Closet — Made of blue polished steel, highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door, oven door handle and catch, fire door, ash door, flue door and frame, ash guard, base corners, front top edge, towel rod, grate shaker, cover lifter, knobs, keys and all edges, brackets, jambs, door panel and handle, pipe damper, teapot shelves and balustrade corners on high closets.

National Stoves, Ranges and Furnaces

Corporal National

ARMCO-INGOT IRON RANGE

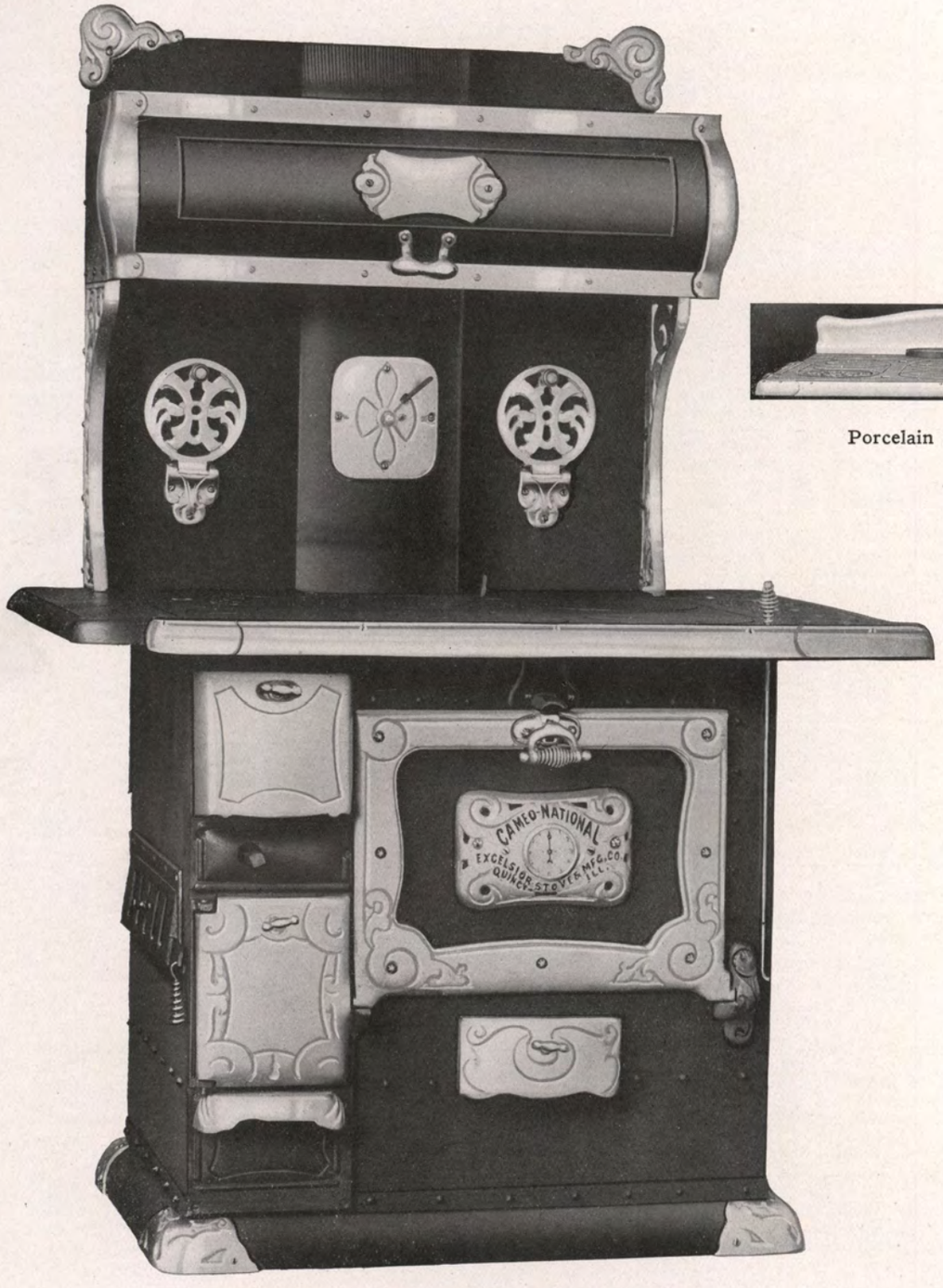
With Daylight Oven Door

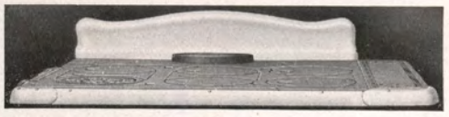
FOR HARD COAL, SOFT COAL OR WOOD

	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
Square with Porcelain Balustrade	8416	Four 8 inch	16x20x13	29x41	356	$58.50	426334	Bilker
	8616	Six 8 inch	16x20x13	29x41	356	58.50	426346	Billet
	9616	Four 9, Two 7 inch	16x20x13	29x41	359	59.50	426782	Billiard
	8618	Six 8 inch	18x20x13	29x43	367	63.00	428368	Billowy
	9618	Six 9 inch	18x20x13	29x43	370	64.00	428810	Bimanous
	8620	Six 8 inch	20x20x13	29x45	378	67.50	430382	Bimensal
	9620	Six 9 inch	20x20x13	29x45	381	68.50	430836	Binnacle
Porcelain Reservoir with Porcelain Balustrade	8416	Four 8 inch	16x20x13	29x46	438	$71.50	432180	Binocular
	8616	Six 8 inch	16x20x13	29x46	438	71.50	432198	Binomial
	9616	Four 9, Two 7 inch	16x20x13	29x46	441	72.50	432634	Bisulcus
	8618	Six 8 inch	18x20x13	29x48	449	76.00	434212	Birdseye
	9618	Six 9 inch	18x20x13	29x48	452	77.00	434660	Birostate
	8620	Six 8 inch	20x20x13	29x50	460	80.50	436234	Bisextile
	9620	Six 9 inch	20x20x13	29x50	463	81.50	436686	Bistoury
Copper Reservoir with Porcelain Balustrade	8416	Four 8 inch	16x20x13	29x46	419	$73.25	432978	Biographic
	8616	Six 8 inch	16x20x13	29x46	419	73.25	432984	Biography
	9616	Four 9, Two 7 inch	16x20x13	29x46	422	74.25	433420	Bipartition
	8618	Six 8 inch	18x20x13	29x48	430	77.75	435006	Biquadrate
	9618	Six 9 inch	18x20x13	29x48	433	78.75	435454	Bipetalous
	8620	Six 8 inch	20x20x13	29x50	441	82.25	437028	Bitterish
	9620	Six 9 inch	20x20x13	29x50	444	83.25	437472	Bittern
Square with Steel High Closet	8416	Four 8 inch	16x20x13	29x41	421	$70.00	431504	Blazon
	8616	Six 8 inch	16x20x13	29x41	421	70.00	431510	Blearness
	9616	Four 9, Two 7 inch	16x20x13	29x41	424	71.00	431958	Bleat
	8618	Six 8 inch	18x20x13	29x43	432	74.50	433536	Bleeding
	9618	Six 9 inch	18x20x13	29x43	435	75.50	433984	Blemish
	8620	Six 8 inch	20x20x13	29x45	443	79.00	435552	Blench
	9620	Six 9 inch	20x20x13	29x45	446	80.00	436008	Blenders
Porcelain Reservoir with Steel High Closet	8416	Four 8 inch	16x20x13	29x46	503	$83.00	437354	Blinkard
	8616	Six 8 inch	16x20x13	29x46	503	83.00	437362	Blinkers
	9616	Four 9, Two 7 inch	16x20x13	29x46	506	84.00	437806	Blissful
	8618	Six 8 inch	18x20x13	29x48	514	87.50	439380	Blockade
	9618	Six 9 inch	18x20x13	29x48	517	88.50	439838	Blockish
	8620	Six 8 inch	20x20x13	29x50	525	92.00	441406	Blotter
	9620	Six 9 inch	20x20x13	29x50	528	93.00	441854	Blowpipe
Copper Reservoir with Steel High Closet	8416	Four 8 inch	16x20x13	29x46	484	$84.75	438142	Blowth
	8616	Six 8 inch	16x20x13	29x46	484	84.75	438156	Blowze
	9616	Four 9, Two 7 inch	16x20x13	29x46	487	85.75	438594	Bluffy
	8618	Six 8 inch	18x20x13	29x48	495	89.25	440168	Bluish
	9618	Six 9 inch	18x20x13	29x48	498	90.25	440614	Blunder
	8620	Six 8 inch	20x20x13	29x50	506	93.75	442190	Blundering
	9620	Six 9 inch	20x20x13	29x50	509	94.75	442646	Bluntly
Water Heater fitted in Range, Figs. 23, 24, 25, extra						$ 4.75	42142	Watery
Water Heater separate from Range, extra						6.00	42708	Water
Two-Pipe Water Back Coil, Fig. 26, extra						2.25	41024	Wattle
Copper Reservoir ordered separate from Range, extra						15.50	46982	Web
If wanted without Balustrade, deduct						2.25	41026	Wild

Copper Reservoir Boiler, 10-gallon capacity, heats by contact.
Porcelain Reservoir Boiler, 5¼-gallon capacity, heats by Revertible Flue.
*Top surface measurements include Back Top Shelf on Square Ranges.
Water Heaters described on pages 14-15.

Excelsior Stove & Manufacturing Company





Porcelain Balustrade

Blue Polished Armco-Ingot Iron Range

Cameo National

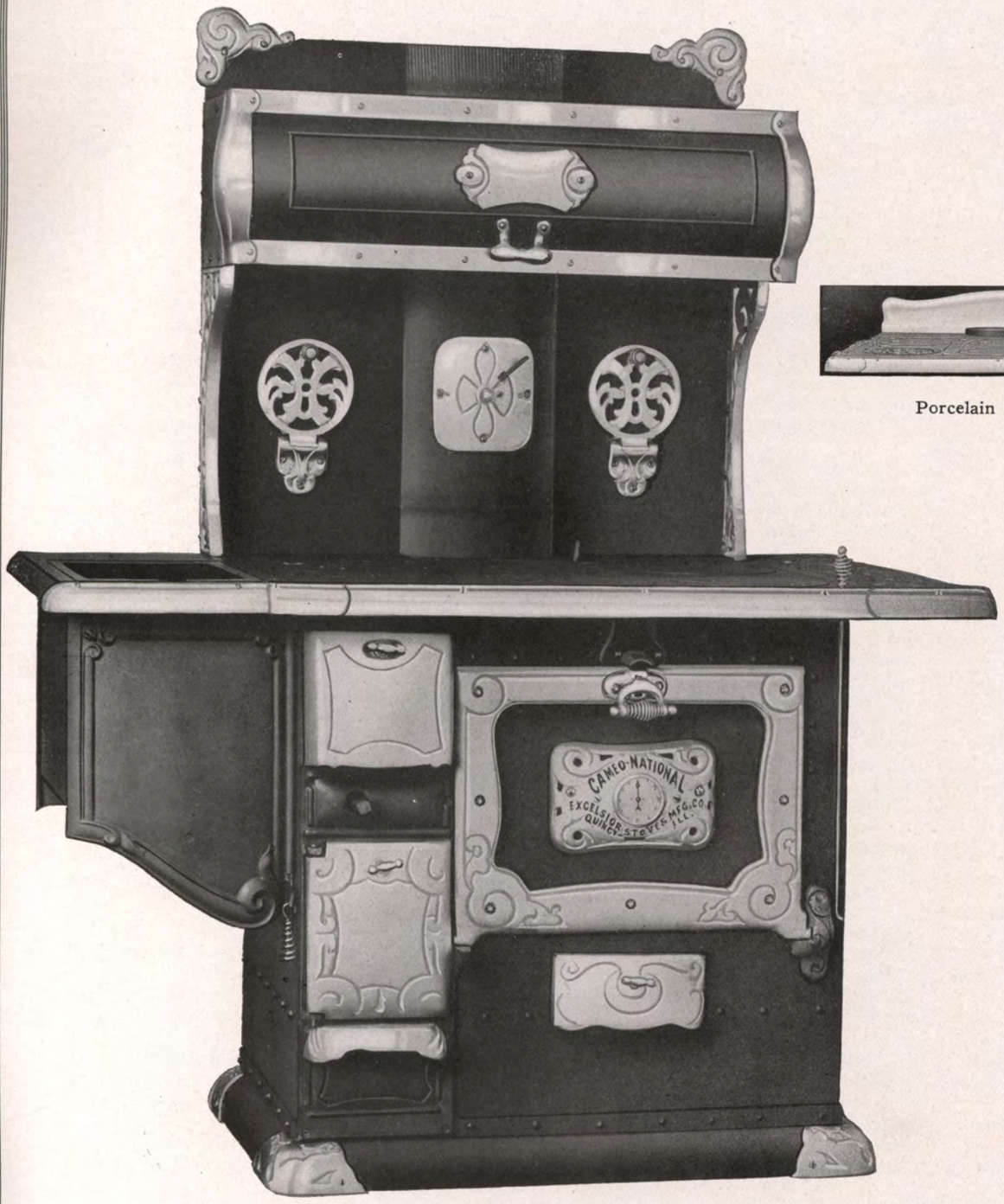
For Hard Coal, Soft Coal or Wood

SQUARE WITH HIGH CLOSET

Description and Price, Pages 32-33

For Gas Attachment to Fit this Range, See Page 63

National Stoves, Ranges and Furnaces



Porcelain Balustrade

Blue Polished Armco-Ingot Iron Range **Cameo National** For Hard Coal, Soft Coal or Wood

WITH COPPER RESERVOIR AND HIGH CLOSET

Description and Price, Pages 32-33

THE FIRE BACK IN THIS RANGE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Cameo National

ARMCO-INGOT IRON RANGE

FOR HARD COAL, SOFT COAL OR WOOD

Construction — A range of first quality, including the exclusive National features of construction. The body is made of blue polished Armco-ingot iron, asbestos lined. It has large flues, insuring easy draft; large sheet steel ash pan. The top is cut in four sections, provided with two key-plate centers and loose short centers, heavy covers, substantial center rest. Armco-ingot iron plate back flue with cast iron bottom elbow, extension fire box for wood, end drop feed door. Front and back top shelf makes a special large cooking surface. One simmering cover furnished with each range.

Oven — Made of Armco-ingot iron with rib joint in bottom, and reinforced with bar iron braces to prevent warping. The top plate is covered with asbestos, and Armco-ingot iron plate over the front half to protect against the direct action of the fire. Fitted with unbreakable wire oven rack, spring balanced oven door.

Fire Box — Extra heavy cast iron linings; the front lining is extra wide, covering entirely the space between the top and grate. It lays close against the body to provide heat for the contact reservoir. National duplex grate for coal; same grate reversed for wood. The grate may be removed through top without interfering with water connections. Porcupine fire back (guaranteed twenty-five years).

Damper — Plunger damper for direct draft, slide damper in front operated with pull-out handle, regulating damper in high closet pipe.

Reservoir — Made of all copper, tinned inside. Capacity 8 gallons. Heats by contact, i. e., the entire front of the reservoir lays close against the front of range, and absorbs heat continually. There is no opening into the range, and requires no extra damper. The back of reservoir boiler is covered with blue steel. Reservoir may be attached to square top range by removing left end shelf only. A special arrangement permits the reservoir to be permanently bolted to the range if desired.

Thermometer — Furnished with all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

Water Heater — Arranged for extra wide cast water-front that occupies the entire space between the top and front grate. The water-front is provided with "pin radiator" on top edge, and is designed to heat a large supply of water.

High Closet — Made of blue polished steel, highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door, oven door panel and handle, fire door, ash door, soot door, ash guard, front top edge, base corners, towel rod, grate shaker, cover lifter and keys, and all edges, brackets, jambs, balustrade corners, door panel and handle, teapot shelves and pipe dampers on high closet.

Cameo National

ARMCO-INGOT IRON RANGE

FOR HARD COAL, SOFT COAL OR WOOD

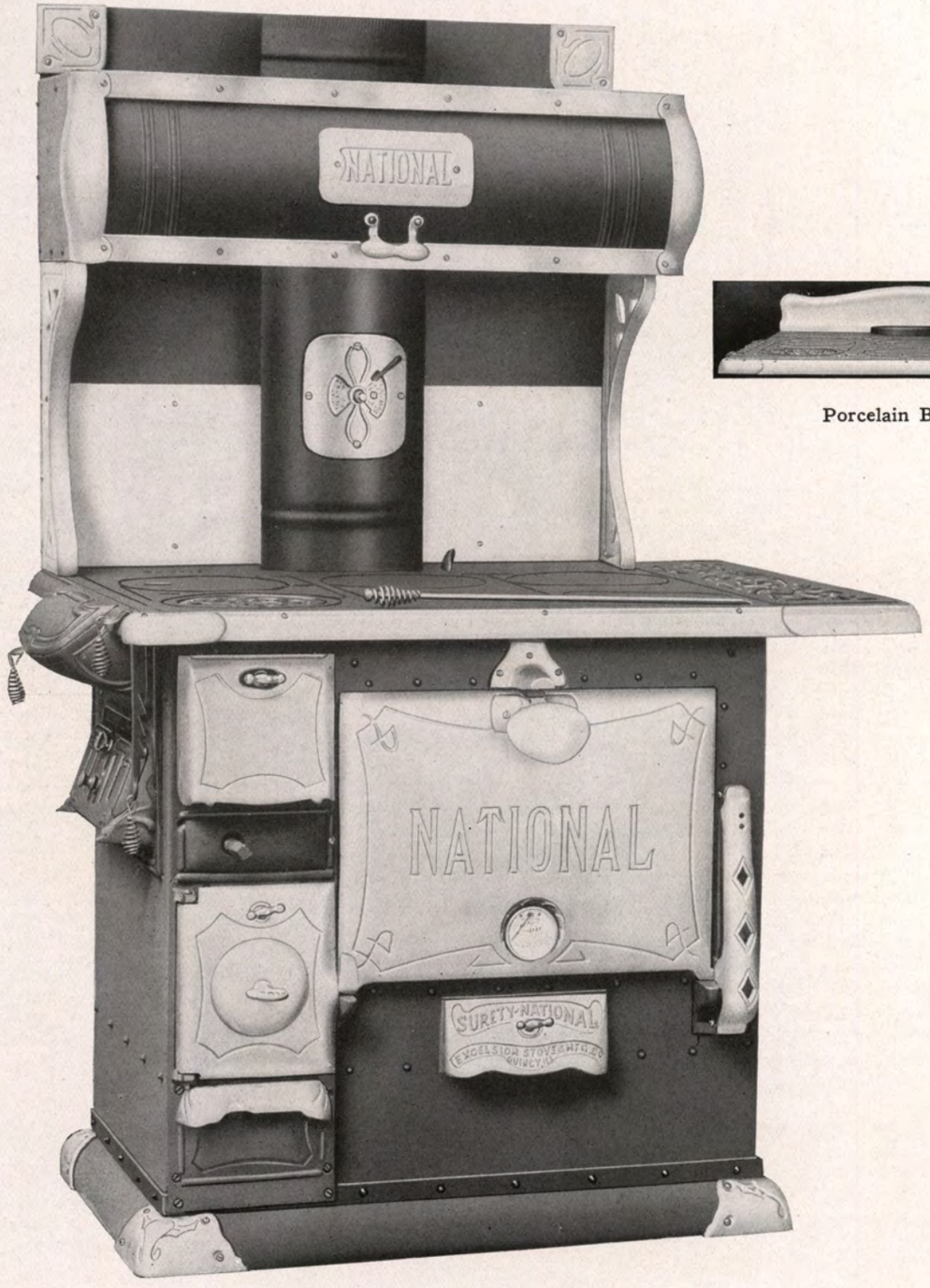
	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
Square	**8414**	Four 8 inch	14x18x13	27x40	242	**$40.75**	518357	Buttery
with Porcelain	**8616**	Six 8 inch	16x18x13	27x42	249	**44.00**	519813	Buttock
Balustrade	**8618**	Six 8 inch	18x18x13	27x42	260	**47.25**	521275	Button
Copper Reser-	**8414**	Four 8 inch	14x18x13	27x44	289	**$53.50**	524089	Buttress
voir with Por-	**8616**	Six 8 inch	16x18x13	27x46	296	**56.75**	525557	Butyrine
celain Balustrade	**8618**	Six 8 inch	18x18x13	27x46	307	**60.00**	527015	Buxcous
Square with	**8414**	Four 8 inch	14x18x13	27x40	290	**$49.75**	522395	Byssold
Steel	**8616**	Six 8 inch	16x18x13	27x42	297	**53.00**	523853	Byword
High Closet	**8618**	Six 8 inch	18x18x13	27x42	308	**56.25**	525319	Byplay
Copper Reser-	**8414**	Four 8 inch	14x18x13	27x44	337	**$62.50**	528137	Byrum
voir with Steel	**8616**	Six 8 inch	16x18x13	27x46	344	**65.75**	529593	Byped
High Closet	**8618**	Six 8 inch	18x18x13	27x46	355	**69.00**	531057	Byproduct

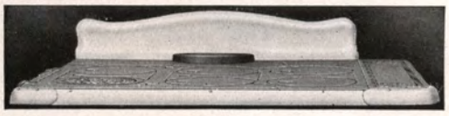
Water Heater fitted in Range (Fig 24, made extra wide), extra	**$ 4.75**	52145	Watery
Water Heater separate from Range, extra	**6.00**	52703	Water
Copper Reservoir ordered separate from Range, extra	**13.50**	56085	Weed
If wanted without Balustrade, deduct	**2.25**	51027	Wild
If wanted without Oven Thermometer, deduct	**1.25**	5569	Ward
If wanted without Steel Base, deduct	**2.25**	51023	Whig

*Top surface measurements include both End Shelves.

Water Heaters described on pages 14-15.

Excelsior Stove & Manufacturing Company





Porcelain Balustrade

Blue Polished Armco-Ingot Iron Range

Surety National

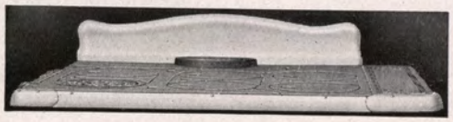
SQUARE WITH HIGH CLOSET

Description and Price, Pages 38-39

For Hard Coal, Soft Coal or Wood

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces



Porcelain Balustrade

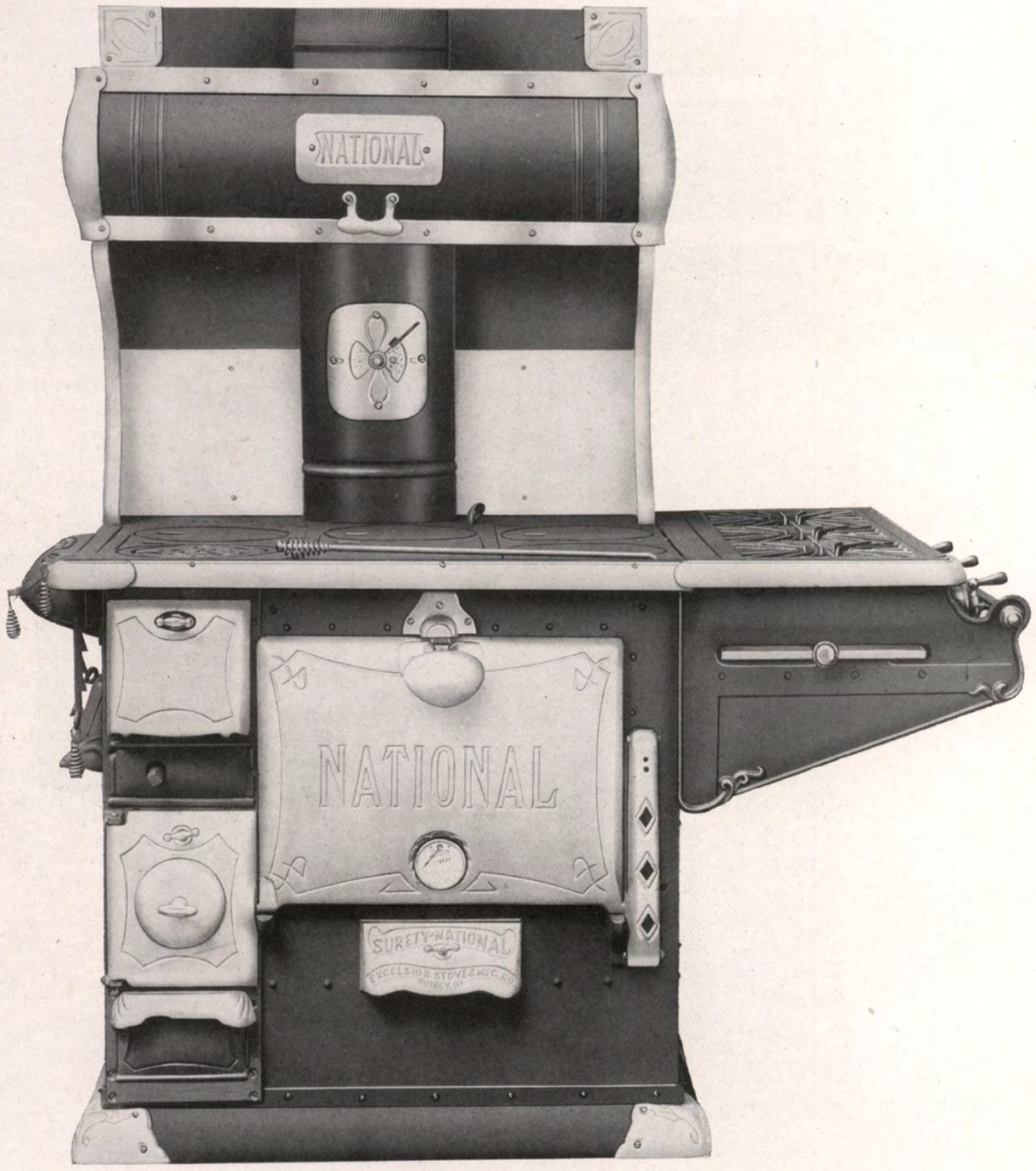
Blue Polished Armco-Ingot Iron Range **Surety National** For Hard Coal, Soft Coal or Wood

WITH RESERVOIR AND HIGH CLOSET

Description and Price, Pages 38-39

THE FIRE BACK IN THIS RANGE LASTS FOREVER

Excelsior Stove & Manufacturing Company



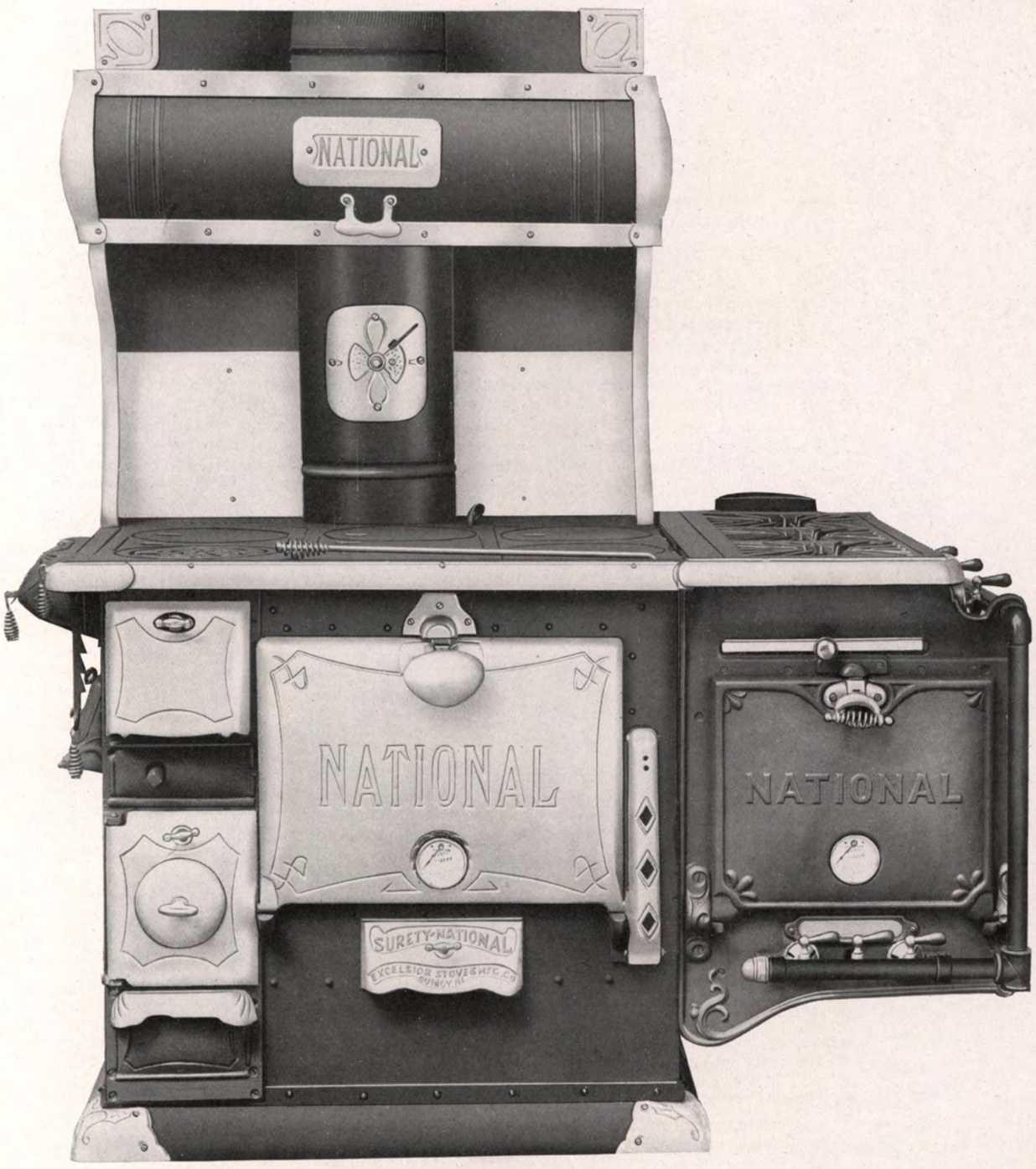
Blue Polished Armco-Ingot Iron Range **Surety National** For Hard Coal, Soft Coal or Wood

WITH GAS HOT PLATE AND HIGH CLOSET

Description and Price, Pages 38-39

SEE THAT GAS ATTACHMENT FOR SUMMER USE

National Stoves, Ranges and Furnaces



Blue Polished Armco-Ingot Iron Range **Surety National** For Hard Coal, Soft Coal or Wood

WITH GAS COMPANION AND HIGH CLOSET

Description and Price, Pages 38-39

COMPLETE RANGE FOR COAL, COMPLETE FOR GAS

Excelsior Stove & Manufacturing Company

Surety National

ARMCO-INGOT IRON RANGE

FOR HARD COAL, SOFT COAL OR WOOD

Construction — Strictly high grade polished Armco-ingot iron body. Oven is Armco-ingot iron with rib joint in bottom and reinforced with bar iron braces. Asbestos lined body and main bottom. Top oven plate asbestos lined and reinforced on front half with Armco-ingot iron plate. Top made in four sections with key-plate centers and loose short centers, heavy covers and centers. Front key-plate raising attachment. Porcupine fire back (guaranteed twenty-five years). Duplex grate for coal, same grate reversed for wood, extension fire box for wood, front pouch feed and end pouch feed, drop draft door, outside spring balanced oven door, wire oven rack, extra large steel ash pan, cast back flue elbow, plunger damper, ventilated base. Steel base strips with cast corners. One simmering cover furnished with each range. A cast porcelain lined reservoir boiler, heats by flue-shifting damper. Capacity 4⅛ gallons. We also furnish these ranges with copper reservoir having 9 gallons capacity. Heats by contact. The contact reservoir is portable, easily attached to square top range. It may be bolted permanently to the body if desired, so that the range may be carried by the reservoir. Arranged for cast water back, cast water front, or front water coil.

Oven — Made of Armco-ingot iron with rib joint in bottom and bar iron braces. Large, high and roomy, provided with non-breakable wire oven rack. Outside spring balanced oven door.

Fire Box — Extra heavy cast linings, and fire-box extension for long lengths of wood. National duplex grate, removable through range top, fitted with our wonderful porcupine fire back (guaranteed twenty-five years).

Dampers — Plunger damper for direct draft, slide damper in front drop door.

Reservoir — We furnish a cast porcelain lined reservoir that heats by the use of our flue-shifting damper, all of the products of combustion passing around the boiler to heat the water. Capacity 4⅛ gallons. We also furnish a copper reservoir, thoroughly tinned inside, and heats by contact. It lays close against the body of range and heats continually. Capacity 9 gallons. The contact reservoir is portable, easily attached to square top range. A special arrangement permits the reservoir to be permanently bolted to range if desired.

Thermometer — Furnished with all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

Water Heater — Arranged for cast water back, cast water front and front water coil. When ordering be sure to specify kind wanted.

High Closet — Made of polished steel with porcelain splash guard, it is highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door and handle, fire door, ash door, ash guard, flue door, front top edge, towel rod, grate shaker, cover lifter, knobs, keys and edges, bracket, jambs, door panel and handle, balustrade corners and pipe damper on high closet.

National Stoves, Ranges and Furnaces

Surety National

ARMCO-INGOT IRON RANGE

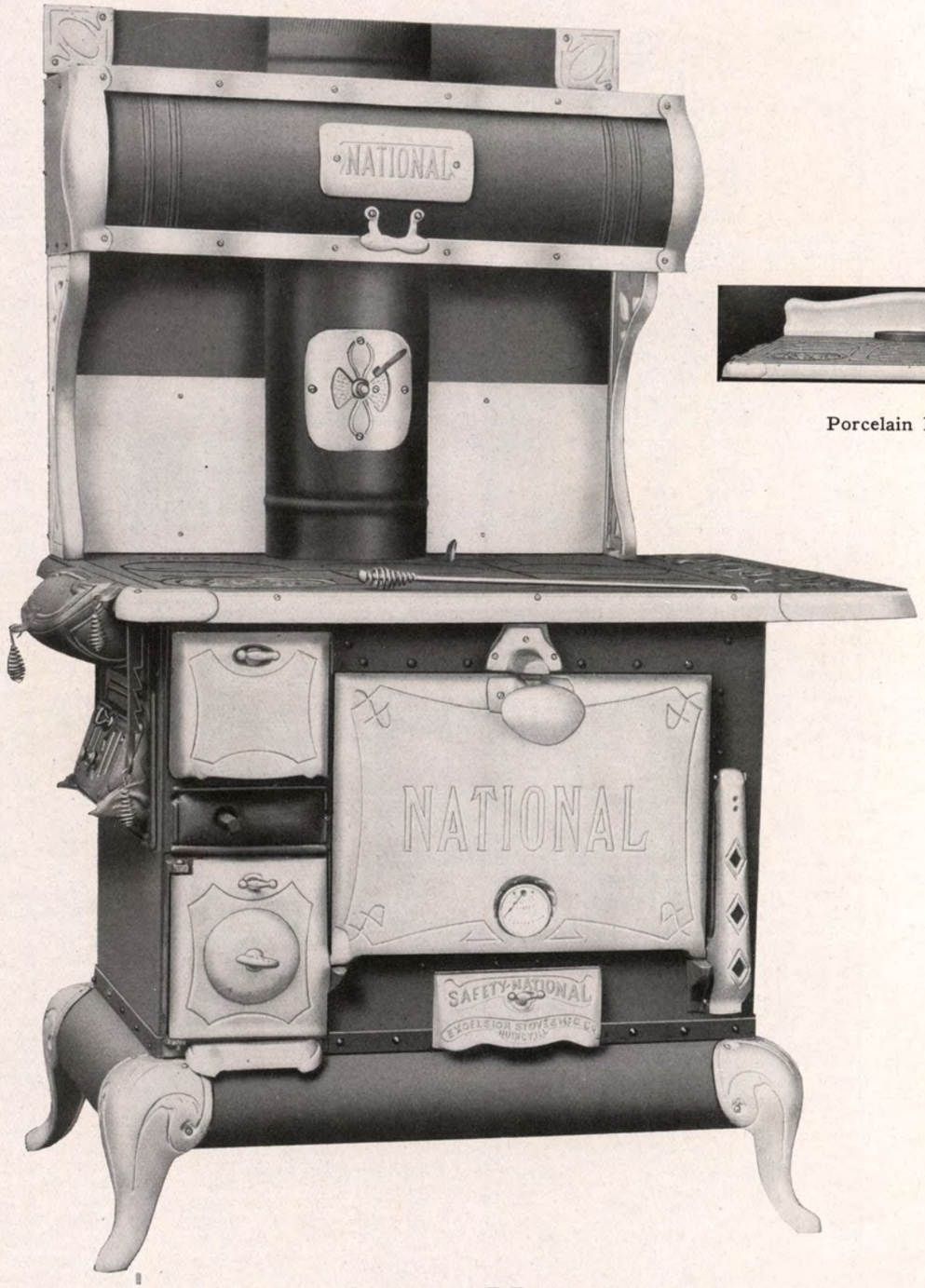
FOR HARD COAL, SOFT COAL OR WOOD

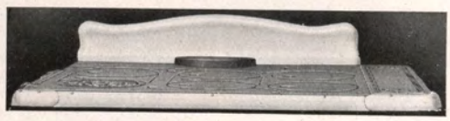
	Factory Number	Holes	Ovens	*Top. Surface	Weight	List	Protection Number	Code Word
	8414	Four 8 inch	14x18x13	27x34	237	$45.75	620604	Bottle
	9414	Four 9 inch	14x18x13	28x34	240	46.75	621052	Bottom
Square with	8616	Six 8 inch	16x18x13	27x38	244	49.00	622068	Boudoir
Porcelain	9616	Four 9, Two 7 inch	16x18x13	28x38	247	50.00	622510	Bough
Balustrade	8618	Six 8 inch	18x18x13	27x38	255	52.25	623526	Boughie
	9618	Four 9, Two 7 inch	18x18x13	28x38	258	53.25	623972	Bounden
	8620	Six 8 inch	20x20x13	29x40	279	57.25	625770	Bounce
	9620	Six 9 inch	20x20x13	30x40	282	58.25	626228	Boundery
	8414	Four 8 inch	14x18x13	27x39	294	$56.75	625554	Bountiful
	9414	Four 9 inch	14x18x13	28x39	297	57.75	626008	Bounty
Porcelain	8616	Six 8 inch	16x18x13	27x43	301	60.00	627016	Bouquet
Reservoir with	9616	Four 9, Two 7 inch	16x18x13	28x43	304	61.00	627462	Bourne
Porcelain	8618	Six 8 inch	18x18x13	27x43	312	63.25	628470	Bouse
Balustrade	9618	Four 9, Two 7 inch	18x18x13	28x43	315	64.25	628924	Bout
	8620	Six 8 inch	20x20x13	29x45	336	68.25	630722	Bovine
	9620	Six 9 inch	20x20x13	30x45	339	69.25	631178	Bowery
	8414	Four 8 inch	14x18x13	27x39	284	$58.50	626332	Bowler
	9414	Four 9 inch	14x18x13	28x39	287	59.50	626786	Bowline
Copper	8616	Six 8 inch	16x18x13	27x43	291	61.75	627800	Bowman
Reservoir with	9616	Four 9, Two 7 inch	16x18x13	28x43	294	62.75	628254	Bowsprit
Porcelain	8618	Six 8 inch	18x18x13	27x43	302	65.00	629268	Boxer
Balustrade	9618	Four 9, Two 7 inch	18x18x13	28x43	305	66.00	629712	Boyar
	8620	Six 8 inch	20x20x13	29x45	326	70.00	631510	Boyish
	9620	Six 9 inch	20x20x13	30x45	329	71.00	631968	Boyhood
	8414	Four 8 inch	14x18x13	27x34	285	$54.75	624642	Break
	9414	Four 9 inch	14x18x13	28x34	288	55.75	625098	Breast
Square	8616	Six 8 inch	16x18x13	27x38	292	58.00	626104	Breathe
with Steel	9616	Four 9, Two 7 inch	16x18x13	28x38	295	59.00	626556	Breech
High Closet	8618	Six 8 inch	18x18x13	27x38	303	61.25	627560	Breeder
	9618	Four 9, Two 7 inch	18x18x13	28x38	306	62.25	628012	Breeze
	8620	Six 8 inch	20x20x13	29x40	327	66.25	629816	Brethern
	9620	Six 9 inch	20x20x13	30x40	330	67.25	630268	Brettices
	8414	Four 8 inch	14x18x13	27x39	342	$65.75	629594	Brevet
	9414	Four 9 inch	14x18x13	28x39	345	66.75	630046	Brevier
Porcelain	8616	Six 8 inch	16x18x13	27x43	349	69.00	631054	Brevity
Reservoir	9616	Four 9, Two 7 inch	16x18x13	28x43	352	70.00	631502	Brewer
with Steel	8618	Six 8 inch	18x18x13	27x43	360	72.25	632518	Briber
High Closet	9618	Four 9, Two 7 inch	18x18x13	28x43	363	73.25	632960	Brick
	8620	Six 8 inch	20x20x13	29x45	384	77.25	634762	Bridal
	9620	Six 9 inch	20x20x13	30x45	387	78.25	635214	Bridge
	8414	Four 8 inch	14x18x13	27x39	332	$67.50	630384	Bridlebit
	9414	Four 9 inch	14x18x13	28x39	335	68.50	630832	Brief
Copper	8616	Six 8 inch	16x18x13	27x43	339	70.75	631840	Briery
Reservoir	9616	Four 9, Two 7 inch	16x18x13	28x43	342	71.75	632298	Brigade
with Steel	8618	Six 8 inch	18x18x13	27x43	350	74.00	633306	Brigand
High Closet	9618	Four 9, Two 7 inch	18x18x13	28x43	353	75.00	633756	Brighten
	8620	Six 8 inch	20x20x13	29x45	374	79.00	635554	Brills
	9620	Six 9 inch	20x20x13	30x45	377	80.00	636006	Brimful

Water Heater fitted in Range, Figs. 23, 24, 25, extra	$ 4.75	62142	Watery
Water Heater separate from Range, extra	6.00	62708	Water
Copper Reservoir ordered separate from Range, extra	13.50	66086	Weed
If wanted without Balustrade, deduct	2.25	61024	Wild

*Top surface measurements include Back Top Shelf on Square Ranges.
Water Heaters described on pages 14-15.
For Gas Attachments see page 63.

Excelsior Stove & Manufacturing Company





Porcelain Balustrade

Blue Polished Armco-Ingot Iron Range

Safety National

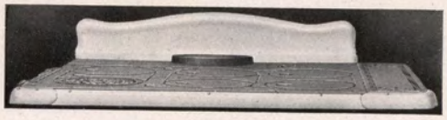
For Hard Coal, Soft Coal or Wood

SQUARE WITH HIGH CLOSET

Description and Price, Pages 42-43

For Gas Attachment to Fit this Range, See Page 63

National Stoves, Ranges and Furnaces



Porcelain Balustrade

Blue Polished Armco-Ingot Iron Range

Safety National

For Hard Coal, Soft Coal or Wood

WITH RESERVOIR AND HIGH CLOSET

Description and Price, Pages 42-43

THE FIRE BACK IN THIS RANGE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Safety National

ARMCO-INGOT IRON RANGE ON LEGS

FOR HARD COAL, SOFT COAL OR WOOD

Construction — Polished Armco-ingot iron range mounted on steel leg base and cast iron legs, making a sanitary range. The ornamentation is a smooth and plain finish, easily cleaned and kept clean. Asbestos lined and reinforced with Armco-ingot iron plate over the asbestos forms a three wall system of body. The top oven plate is covered with asbestos, the front half is also covered with Armco-ingot iron plate over the asbestos to protect against the direct action of the fire. Armco-ingot iron plate back flue with cast iron bottom elbow. Sheet flue system, with extra large flues, insures easy draft when using soft coal or wood. The top is cut in four sections, and fitted with our key-plate raising attachment; also key-plate centers and loose short centers in all key plates, heavy covers, substantial center rest, large drop end feed door for coal or wood, sheet steel ash pan and ash guards, that conduct all ashes into the pan. One simmering cover furnished with each range.

Oven — Made of Armco-ingot iron with rib joint in bottom and bar iron braces. Large, high and roomy, provided with non-breakable wire oven rack. Outside spring balanced oven door.

Fire Box — Extra heavy cast linings, and fire-box extension for long lengths wood. National duplex grate, removable through range top, fitted with our wonderful porcupine fire back (guaranteed twenty-five years).

Dampers — Plunger damper for direct draft, slide damper in front drop door.

Reservoir — We furnish a cast porcelain lined reservoir that heats by the use of our flue-shifting damper, all of the products of combustion passing around the boiler to heat the water. Capacity 4⅛ gallons. We also furnish a copper reservoir, thoroughly tinned inside and heats by contact. It lays close against the body of range and heats continually. Capacity 9 gallons. The contact reservoir is portable, easily attached to square top range. A special arrangement permits the reservoir to be permanently bolted to range if desired.

Thermometer — Furnished with all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

Water Heater — Arranged for cast water back, cast water front and front water coil. When ordering be sure to specify kind wanted.

High Closet — Made of polished steel with porcelain splash guard, it is highly nickel trimmed and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door and handle, fire door, ash door, ash guard, flue door, front top edge, towel rod, grate shaker, cover lifter, knobs, keys and edges, bracket, jambs, door panel and handle, balustrade corners and pipe damper on high closet.

National Stoves, Ranges and Furnaces

Safety National

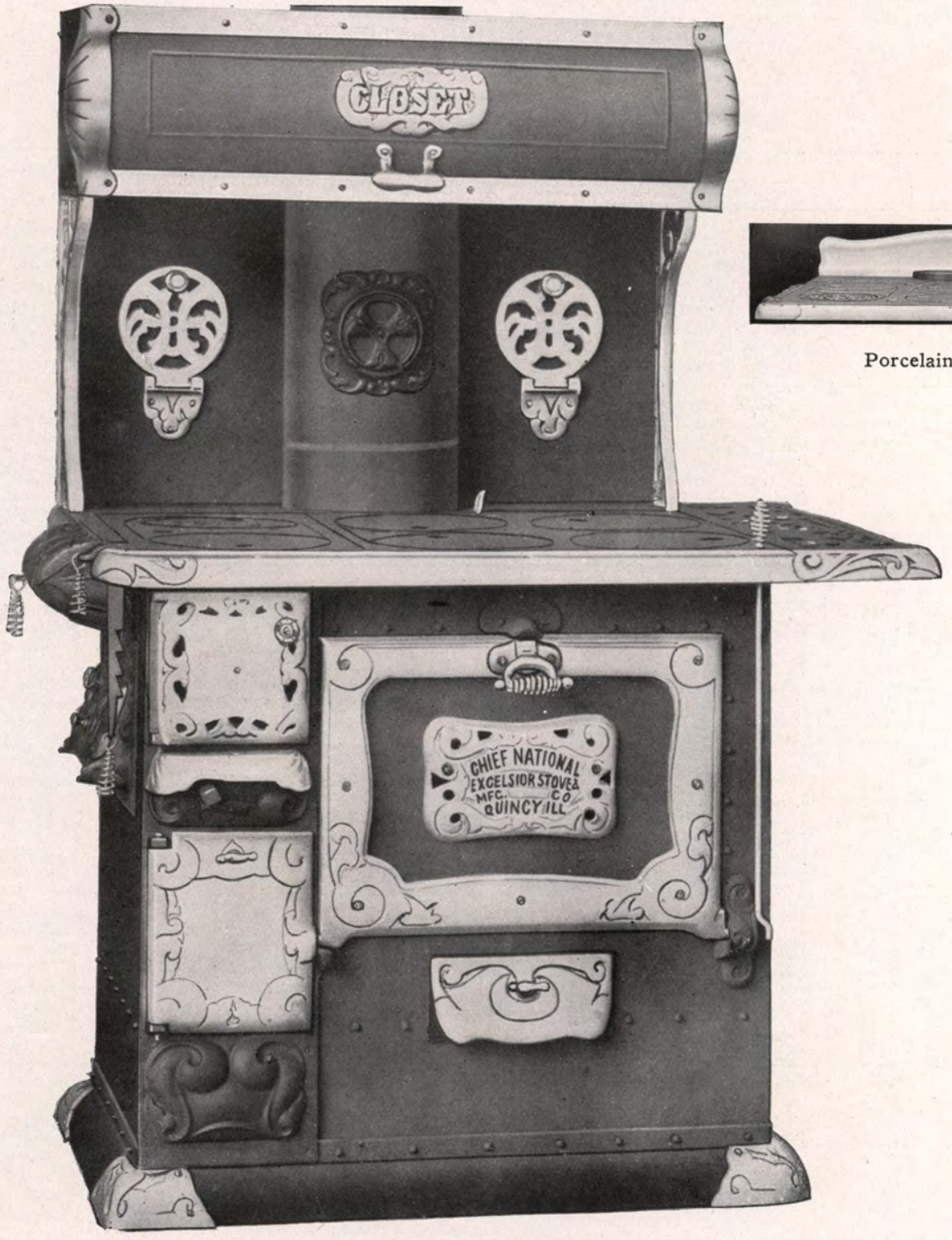
ARMCO-INGOT IRON RANGE ON LEGS

FOR HARD COAL, SOFT COAL OR WOOD

	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
Square with Porcelain Balustrade	8414	Four 8 inch	14x18x13	27x34	237	$44.50	720035	Barrister
	9414	Four 9 inch	14x18x13	28x34	240	45.50	720489	Barytone
	8616	Six 8 inch	16x18x13	27x38	244	47.75	721493	Basblen
	9616	Four 9, Two 7 inch	16x18x13	28x38	247	48.75	721945	Basehorn
	8618	Six 8 inch	18x18x13	27x38	255	51.00	722953	Basement
	9618	Four 9, Two 7 inch	18x18x13	28x38	258	52.00	723405	Basilica
	8620	Six 8 inch	20x20x13	29x40	279	56.00	725205	Basilicon
	9620	Six 9 inch	20x20x13	30x40	282	57.00	725653	Basilisk
Porcelain Reservoir with Porcelain Balustrade	8414	Four 8 inch	14x18x13	27x39	294	$55.50	724989	Bassinet
	9414	Four 9 inch	14x18x13	28x39	297	56.50	725435	Bassoon
	8616	Six 8 inch	16x18x13	27x43	301	58.75	726445	Bassrelief
	9616	Four 9, Two 7 inch	16x18x13	28x43	304	59.75	726899	Bassviol
	8618	Six 8 inch	18x18x13	27x43	312	62.00	727903	Bastinado
	9618	Four 8, Two 7 inch	18x18x13	28x43	315	63.00	728359	Battilion
	8620	Six 8 inch	20x20x13	29x45	336	67.00	730155	Battledoor
	9620	Six 9 inch	20x20x13	30x45	339	68.00	730603	Battlement
Copper Reservoir with Porcelain Balustrade	8414	Four 8 inch	14x18x13	27x39	284	$57.25	725767	Bedabble
	9414	Four 9 inch	14x18x13	28x39	287	58.25	726213	Bedaggle
	8616	Six 8 inch	16x18x13	27x43	291	60.50	727235	Bedizen
	9616	Four 9, Two 7 inch	16x18x13	28x43	294	61.50	727689	Bedlam
	8618	Six 8 inch	18x18x13	27x43	302	63.75	728693	Bediamite
	9818	Four 9, Two 7 inch	18x18x13	28x43	305	64.75	729147	Bedquilt
	8620	Six 8 inch	20x20x13	29x45	326	68.75	730949	Bedrench
	9620	Six 9 inch	20x20x13	30x45	329	69.75	731395	Bedrop
Square with with Steel High Closet	8414	Four 8 inch	14x18x13	27x34	285	$53.50	724087	Begetter
	9414	Four 9 inch	14x18x13	28x34	288	54.50	724535	Beggary
	8616	Six 8 inch	16x18x13	27x38	292	56.75	725549	Begging
	9616	Four 9, Two 7 inch	16x18x13	28x38	295	57.75	725993	Beginner
	8618	Six 8 inch	18x18x13	27x38	303	60.00	727005	Begrudge
	9618	Four 9, Two 7 inch	18x18x13	28x38	306	61.00	727459	Behoove
	8620	Six 8 inch	20x20x13	29x40	327	65.00	729253	Beleaguer
	9620	Six 9 inch	20x20x13	30x40	330	66.00	729707	Belesprit
Porcelain Reservoir with Steel High Closet	8414	Four 8 inch	14x18x13	27x39	342	$64.50	729037	Belladonna
	9414	Four 9 inch	14x18x13	28x39	345	65.50	729489	Bellfounder
	8616	Six 8 inch	16x18x13	27x43	349	67.75	730495	Bellicose
	9616	Four 9, Two 7 inch	16x18x13	28x43	352	68.75	730943	Belligerent
	8618	Six 8 inch	18x18x13	27x43	360	71.00	731959	Bellringer
	9618	Four 9, Two 7 inch	18x18x13	28x43	363	72.00	732403	Bellwether
	8620	Six 8 inch	20x20x13	29x45	384	76.00	734205	Bellyband
	9620	Six 9 inch	20x20x13	30x45	387	77.00	734657	Belvedere
Copper Reservoir with Steel High Closet	8414	Four 8 inch	14x18x13	27x39	332	$66.25	729815	Benedict
	9414	Four 9 inch	14x18x13	28x39	335	67.25	730263	Benefaction
	8616	Six 8 inch	16x18x13	27x43	339	69.50	731287	Benefactor
	9616	Four 9, Two 7 inch	16x18x13	28x43	342	70.50	731739	Benefactress
	8618	Six 8 inch	18x18x13	27x43	350	72.75	732743	Beneficed
	9618	Four 9, Two 7 inch	18x18x13	28x43	353	73.75	733197	Beneficent
	8620	Six 8 inch	20x20x13	29x45	374	77.75	734995	Beneficial
	9620	Six 9 inch	20x20x13	30x45	377	78.75	735449	Beneficiary
Water Heater fitted in Range, Figs. 23, 24, 25, extra						$ 4.75	72145	Watery
Water Heater separate from Range, extra						6.00	72709	Water
Copper Reservoir ordered separate from Range, extra						13.50	76087	Weed
If wanted without Balustrade, deduct						2.25	71023	Wild

*Top surface measurements include Back Top Shelf on Square Ranges.
Water Heaters described on pages 14-15.
For Gas Attachments, see page 63.

Excelsior Stove & Manufacturing Company



Porcelain Balustrade

Blue Polished Armco-Ingot Iron Range

Chief National

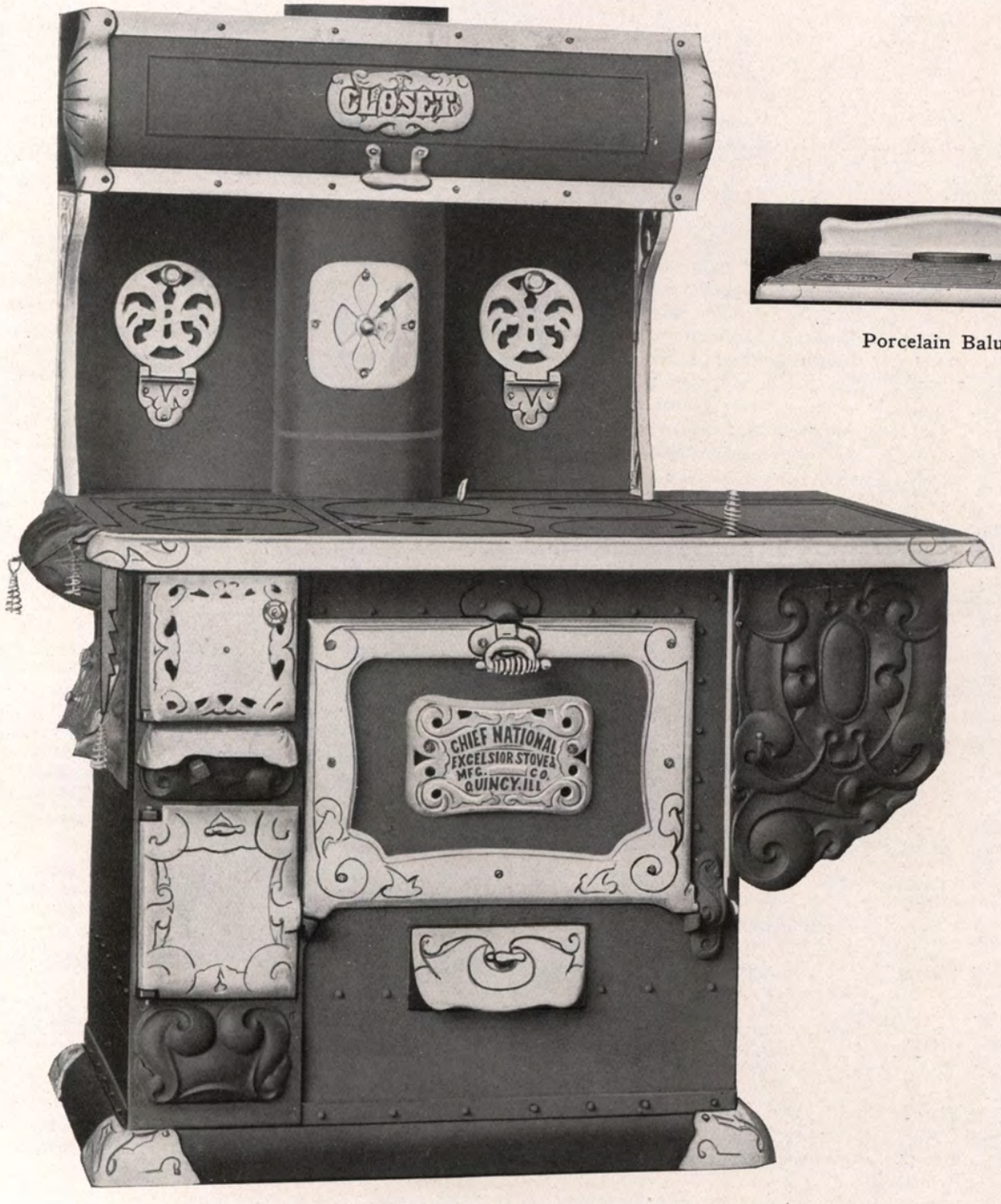
For Hard Coal, Soft Coal or Wood

SQUARE WITH HIGH CLOSET

Description and Price, Pages 46-47

For Gas Attachment to Fit this Range, See Page 63

National Stoves, Ranges and Furnaces



Porcelain Balustrade

Blue Polished Armco-Ingot Iron Range

Chief National

For Hard Coal, Soft Coal or Wood

WITH RESERVOIR AND HIGH CLOSET

Description and Price, Pages 46-47

THE FIRE BACK IN THIS RANGE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Chief National

ARMCO-INGOT IRON RANGE

FOR HARD COAL, SOFT COAL OR WOOD

Construction — A perfect range in every detail, with all the National features of construction. The body is made of blue Armco-ingot iron, thoroughly asbestos lined, and reinforced with Armco-ingot iron plate over the asbestos forms our three-wall system. The top oven plate is covered with asbestos, and the front half is covered with Armco-ingot iron plate over the asbestos to protect against the direct action of the fire. Armco-ingot iron back flue with cast bottom elbow. Sheet flue system, with extra large flues, insures easy draft when using soft coal or wood. The top is cut in four sections, and fitted with our key-plate raising attachment; also key-plate centers and loose short centers in all key-plates, heavy covers, substantial rest, large end feed door for wood, sheet steel ash pan and ash guards that conduct all ashes into the pan, ventilated bottom that prevents heating the floor under the range. One simmering cover furnished with each range.

Oven — Made of heavy Armco-ingot iron with rib joint in bottom and bar iron braces. Large, high and roomy, provided with non-breakable wire oven rack. Outside spring balanced oven door.

Fire Box — Extra heavy cast linings, and fire box extension for long lengths wood. National duplex grate, removable through top, fitted with the wonderful porcupine fire back (guaranteed twenty-five years).

Damper — Plunger damper for direct draft. Slide damper in front door.

Reservoir — We furnish a cast porcelain lined reservoir that heats by the use of our flue-shifting damper, all the products of combustion passing around the boiler to heat the water. Capacity 4½ gallons. We also furnish a copper reservoir, thoroughly tinned inside, and heats by contact. It lays close against the body of range and heats continually. Capacity 9 gallons. The contact reservoir is portable, easily attached to square top range. A special arrangement permits the reservoir to be permanently bolted to the range if desired.

Thermometer — If especially ordered we furnish one of our National oven thermometers, which measures heat just as a clock measures time. It avoids bad luck in baking.

Water Heater — Arranged for cast water back, cast water front and front water coil. When ordering be sure to specify kind wanted.

High Closet — Made of blue steel, highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door, oven door panel, handle and catch, fire door, ash door, flue door, base corners, ash guard, front top edge, towel rod, grate shaker, cover lifter, knobs, keys and all edges, brackets, jambs, door panel and handle, balustrade corners, pipe damper and teapot shelves on high closets.

National Stoves, Ranges and Furnaces

Chief National

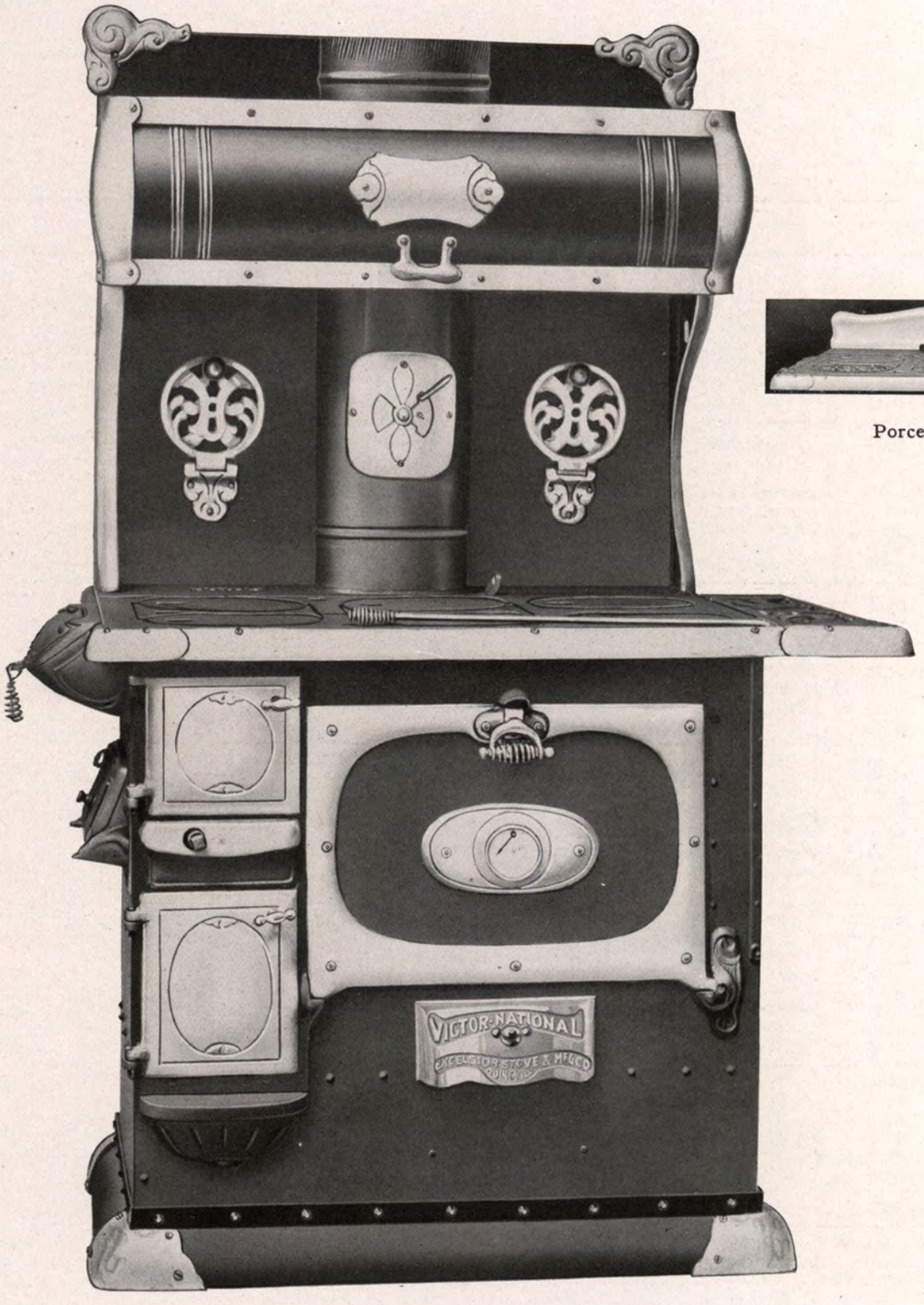
ARMCO-INGOT IRON RANGE

FOR HARD COAL, SOFT COAL OR WOOD

	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
Square with Porcelain Balustrade	8414	Four 8 inch	14x18x13	27x34	237	$38.75	817450	Bestow
	9414	Four 9 inch	14x18x13	28x34	240	39.75	817908	Bestrew
	8616	Six 8 inch	16x18x13	27x38	244	42.00	818914	Bestride
	9616	Four 9, Two 7 inch	16x18x13	28x38	247	43.00	819366	Bestud
	8618	Six 8 inch	18x18x13	27x38	255	45.25	820372	Betake
	9618	Four 9, Two 7 inch	18x18x13	28x38	258	46.25	820824	Bethink
	8620	Six 8 inch	20x20x13	29x40	279	50.25	822626	Besotted
	9620	Six 9 inch	20x20x13	30x40	282	51.25	823078	Betime
Porcelain Reservoir with Porcelain Balustrade	8414	Four 8 inch	14x18x13	27x39	294	$49.75	822402	Betideing
	9414	Four 9 inch	14x18x13	28x39	297	50.75	822858	Betoken
	8616	Six 8 inch	16x18x13	27x43	301	53.00	823860	Betray
	9616	Four 9, Two 7 inch	16x18x13	28x43	304	54.00	824314	Betroth
	8618	Six 8 inch	18x18x13	27x43	312	56.25	825326	Better
	9618	Four 9, Two 7 inch	18x18x13	28x43	315	57.25	825774	Betting
	8620	Six 8 inch	20x20x13	29x45	336	61.25	827578	Beveling
	9620	Six 9 inch	20x20x13	30x45	339	62.25	828020	Beverage
Copper Reservoir with Porcelain Balustrade	8414	Four 8 inch	14x18x13	27x39	284	$51.50	823186	Brimming
	9414	Four 9 inch	14x18x13	28x39	287	52.50	823632	Brinded
	8616	Six 8 inch	16x18x13	27x43	291	54.75	824650	Brine
	9616	Four 9, Two 7 inch	16x18x13	28x43	294	55.75	825104	Brisk
	8618	Six 8 inch	18x18x13	27x43	302	58.00	826118	Bristle
	9618	Four 9, Two 7 inch	18x18x13	28x43	305	59.00	826562	Bristol
	8620	Six 8 inch	20x20x13	29x45	326	63.00	828364	Broker
	9620	Six 9 inch	20x20x13	30x45	329	64.00	828810	Bronze
Square with Steel High Closet	8414	Four 8 inch	14x18x13	27x34	285	$47.00	821156	Bibber
	9414	Four 9 inch	14x18x13	28x34	288	48.00	821604	Biblical
	8616	Six 8 inch	16x18x13	27x38	292	50.25	822614	Biblist
	9616	Four 9, Two 7 inch	16x18x13	28x38	295	51.25	823062	Bibulous
	8618	Six 8 inch	18x18x13	27x38	303	53.50	824086	Bicker
	9618	Four 9, Two 7 inch	18x18x13	28x38	306	54.50	824538	Bicorn
	8620	Six 8 inch	20x20x13	29x40	327	58.50	826334	Bile
	9620	Six 9 inch	20x20x13	30x40	330	59.50	826786	Bilge
Porcelain Reservoir with Steel High Closet	8414	Four 8 inch	14x18x13	27x39	342	$58.00	826102	Bidding
	9414	Four 9 inch	14x18x13	28x39	345	59.00	826556	Bideon
	8616	Six 8 inch	16x18x13	27x43	349	61.25	827564	Bidet
	9616	Four 9, Two 7 inch	16x18x13	28x43	352	62.25	828018	Bier
	8618	Six 8 inch	18x18x13	27x43	360	64.50	829030	Bifacial
	9618	Four 9, Two 7 inch	18x18x13	28x43	363	65.50	829480	Bifarious
	8620	Six 8 inch	20x20x13	29x45	384	69.50	831284	Biliary
	9620	Six 9 inch	20x20x13	30x45	387	70.50	831732	Billion
Copper Reservoir with Steel High Closet	8414	Four 8 inch	14x18x13	27x39	332	$59.75	826898	Brittle
	9414	Four 9 inch	14x18x13	28x39	335	60.75	827346	Broach
	8616	Six 8 inch	16x18x13	27x43	339	63.00	828350	Broad
	9616	Four 9, Two 7 inch	16x18x13	28x43	342	64.00	828800	Brocade
	8618	Six 8 inch	18x18x13	27x43	350	66.25	829814	Brocard
	9618	Four 9, Two 7 inch	18x18x13	28x43	353	67.25	830268	Brocoll
	8620	Six 8 inch	20x20x13	29x45	374	71.25	832064	Brocket
	9620	Six 9 inch	20x20x13	30x45	377	72.25	832516	Brogan
Water Heater fitted in Range, Figs, 23, 24, 25, extra						$ 4.75	82148	Watery
Water Heater separate from Range, extra						6.00	82704	Water
Oven Door Thermometer, extra						1.25	8566	Ward
Copper Reservoir ordered separate from Range, extra						13.50	86082	Web
If wanted without Balustrade, deduct						2.25	81028	Wild
If wanted without Base, deduct						2.25	81024	Whig

*Top surface measurements include Back Top Shelf on Square Ranges.
Water Heaters described on pages 14-15.
For Gas Attachment, see page 63.

Excelsior Stove & Manufacturing Company



Porcelain Balustrade

Blue Polished Armco-Ingot Iron Range

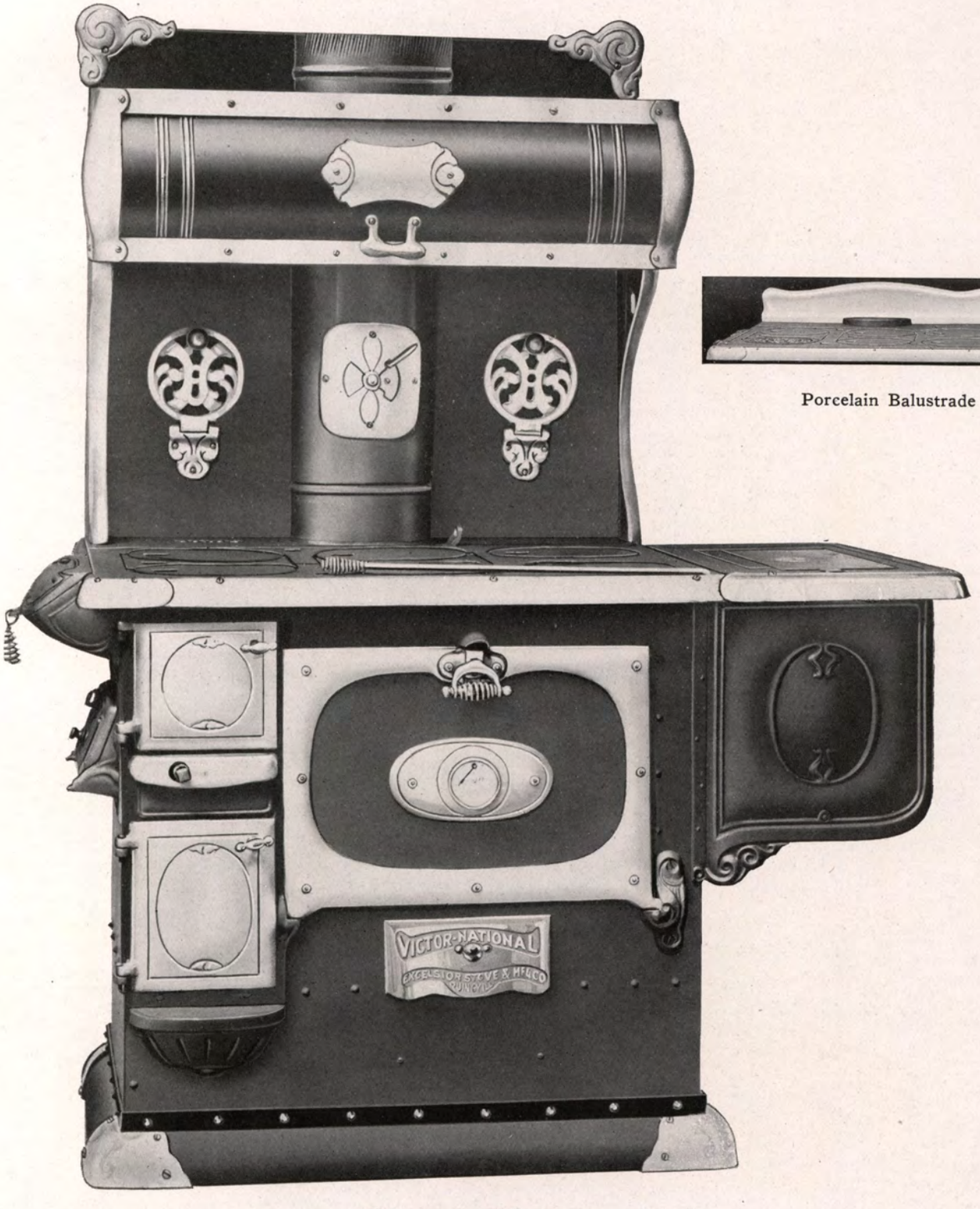
Victor National

For Hard Coal, Soft Coal or Wood

SQUARE WITH HIGH CLOSET

Description and Price, Pages 50-51

National Stoves, Ranges and Furnaces



Porcelain Balustrade

Blue Polished Armco-Ingot Iron Range

Victor National

For Hard Coal, Soft Coal or Wood

WITH RESERVOIR AND HIGH CLOSET

Description and Price, Pages 50-51

Excelsior Stove & Manufacturing Company

Victor National

ARMCO-INGOT IRON RANGE

FOR HARD COAL, SOFT COAL OR WOOD

Construction — A medium priced Armco-ingot iron range trimmed to equal a first quality range, it is well made in all parts. The body is blue Armco-ingot iron, well lined with asbestos, the oven top is covered with asbestos and reinforced on front half with Armco-ingot iron plates that protect against the direct action of the fire. Sheet flue system with extra large flues adapted to the use of soft coal or wood. Armco-ingot iron plate back flue with cast bottom elbow. The top is cut into four sections, provided with heavy covers, centers and substantial center rest. Large end feed door for wood, sheet steel ash pan, ventilated bottom, angle iron bottom edge makes it extra strong.

Oven — Made of heavy Armco-ingot iron with rib joint bottom and bar iron braces. It is square, high, roomy and provided with non-breakable wire oven rack, outside spring balanced oven door.

Fire Box — Heavy cast iron linings, fire box extension for long lengths wood. Duplex grate for coal; reversing the grate forms a perfect wood grate. Solid fire back ventilated.

Reservoir — We furnish Armco-ingot iron galvanized or copper reservoirs; the copper is thoroughly tinned inside; this form of reservoir heats by contact; it lays close against the body of range and heats continually, easily attached to square top range; capacity 10 gallons. A special arrangement permits the reservoir to be permanently bolted to the range if desired.

Thermometer — Furnished with all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

Water Heater — Arranged for two-pipe water back coil. Our form of water back coil is not like the old style water backs, which interfered with the baking; it lays apart from the back, allowing the heat to pass entirely around the coils and heat a large amount of water.

High Closet — Made of blue steel, highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door, oven door panel and handle, fire door, ash door, flue door, base corners, ash guard, front top edge, towel rod, grate shaker, cover lifter, keys and all edges, brackets, jambs, door panel and handle pipe damper and teapot shelves on high closets.

National Stoves, Ranges and Furnaces

Victor National

ARMCO-INGOT IRON RANGE

FOR HARD COAL, SOFT COAL OR WOOD

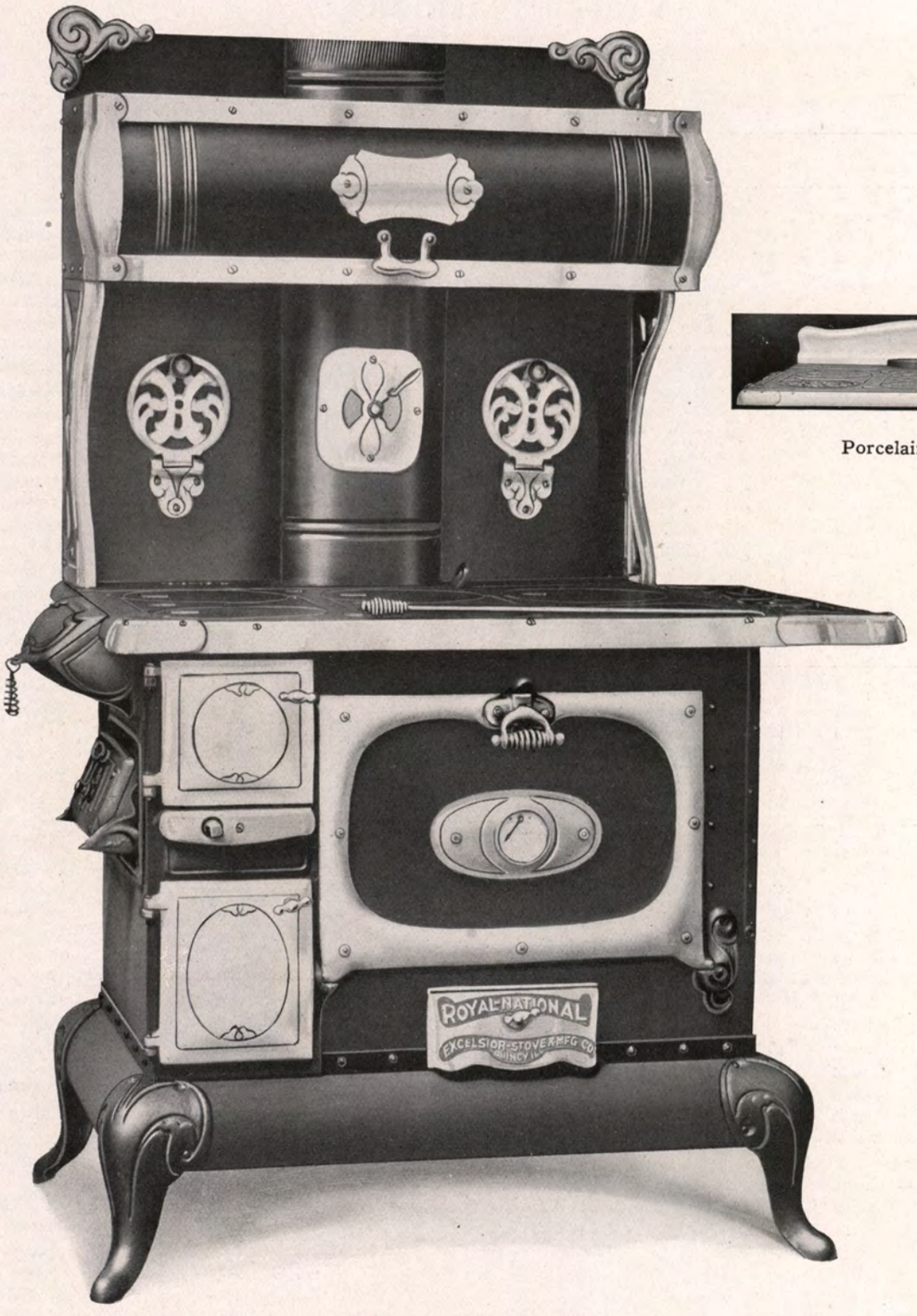
	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
Square with Porcelain Balustrade	7614	Six 7 inch	14x19x10	24x32	205	$33.50	915085	Baboon
	8414	Four 8 inch	14x19x10	24x32	205	33.50	915093	Babyish
	8616	Four 8, Two 7 inch	16x19x11	24x34	212	36.25	916319	Baceated
	8618	Six 8 inch	18x19x12½	24x36	217	39.00	917559	Bachelor
	8620	Six 8 inch	20x21x12½	26x38	240	44.00	919805	Bijon
	9620	Four 9, Two 8 inch	20x21x12½	26x38	243	45.00	920253	Bico
Galvanized Reservoir with Porcelain Balustrade	7614	Six 7 inch	14x19x10	24x40	237	$42.25	919017	Backbite
	8414	Four 8 inch	14x19x10	24x40	237	42.25	919023	Backbone
	8616	Four 8, Two 7 inch	16x19x11	24x42	244	45.00	920259	Background
	8618	Six 8 inch	18x19x12½	24x44	249	47.75	921495	Backslide
	8620	Six 8 inch	20x21x12½	26x46	272	52.75	923743	Biographer
	9620	Four 9, Two 8 inch	20x21x12½	26x46	278	53.75	924195	Bitterness
Copper Reservoir with Porcelain Balustrade	7614	Six 7 inch	14x19x10	24x40	237	$46.25	920817	Banknote
	8414	Four 8 inch	14x19x10	24x40	237	46.25	920829	Bankbook
	8616	Four 8, Two 7 inch	16x19x11	24x42	244	49.00	922053	Bankstock
	8618	Six 8 inch	18x19x12½	24x44	249	51.75	923297	Barbacan
	8620	Six 8 inch	20x21x12½	26x46	272	56.75	925545	Bituminate
	9620	Four 9, Two 8 inch	20x21x12½	26x46	278	57.75	925995	Bituminous
Square with Steel High Closet	7614	Six 7 inch	14x19x10	24x32	242	$42.50	919137	Baloon
	8414	Four 8 inch	14x19x10	24x32	242	42.50	919145	Balloting
	8616	Four 8, Two 7 inch	16x19x11	24x34	249	45.25	920369	Balsamic
	8618	Six 8 inch	18x19x12½	24x36	254	48.00	921603	Banana
	8620	Six 8 inch	20x21x12½	26x38	277	53.00	923857	Blacken
	9620	Four 9, Two 8 inch	20x21x12½	26x38	280	54.00	924305	Blastoderm
Galvanized Reservoir with Steel High Closet	7614	Six 7 inch	14x19x10	24x40	274	$51.25	923067	Bandage
	8414	Four 8 inch	14x19x10	24x40	274	51.25	923075	Bandana
	8616	Four 8, Two 7 inch	16x19x11	24x42	281	54.00	924303	Bandbox
	8618	Six 8 inch	18x19x12½	24x44	286	56.75	925549	Bandoleer
	8620	Six 8 inch	20x21x12½	26x46	309	61.75	927795	Blowing
	9620	Four 9, Two 8 inch	20x21x12½	26x46	312	62.75	928247	Bludgeon
Copper Reservoir with Steel High Closet	7614	Six 7 inch	14x19x10	24x40	274	$55.25	924863	Barbecue
	8414	Four 8 inch	14x19x10	24x40	274	55.25	924875	Baroscope
	8616	Four 8, Two 7 inch	16x19x11	24x42	281	58.00	926107	Barratrous
	8618	Six 8 inch	18x19x12½	24x44	286	60.75	927347	Barratry
	8620	Six 8 inch	20x21x12½	26x46	309	65.75	929595	Blindfold
	9620	Four 9, Two 8 inch	20x21x12½	26x46	312	66.75	930049	Blindness

Galvanized Reservoir ordered separate from Range, extra	$ 9.50	94287	Web
Copper Reservoir ordered separate from Range, extra	13.50	96085	Weed
Cast Water Back fitted in Range, Fig. 25, extra	4.75	92149	Watery
Cast Water Back, separate from Range, extra	6.00	92703	Water
Cast Water "L" Front fitted in Range, Fig. 29, extra	6.00	92707	Wordy
Cast Water "L" Front separate from Range, extra	7.25	93265	Work
Two-Pipe Water Back Coil, Fig. 26, extra	2.25	91025	Wattle
If wanted without Balustrade, deduct	2.25	91029	Wild
If wanted without Steel Base, deduct	2.25	91023	Whig
If wanted without Oven Door Thermometer, deduct	1.25	9567	Wren

*Top surface measurements include Back Top Shelf on Square Ranges.

Water Heater described on pages 14-15.

Excelsior Stove & Manufacturing Company



Porcelain Balustrade

Blue Polished Armco-Ingot Iron Range

Royal National

SQUARE WITH HIGH CLOSET

For Hard Coal, Soft Coal or Wood

Description and Price, Pages 54-55

National Stoves, Ranges and Furnaces

Porcelain Balustrade

Blue Polished Armco-Ingot Iron Range

Royal National

For Hard Coal, Soft Coal or Wood

WITH RESERVOIR AND HIGH CLOSET

Description and Price, Pages 54-55

Excelsior Stove & Manufacturing Company

Royal National

ARMCO-INGOT IRON RANGE ON LEGS

FOR HARD COAL, SOFT COAL OR WOOD

Construction — A medium priced Armco-ingot iron range, mounted on leg base and trimmed to equal a first quality range, it is well made in all parts. The body is made of blue Armco-ingot iron well lined with asbestos. The oven top is covered with asbestos and reinforced on front half with Armco-ingot iron plate that protects against the direct action of the fire. Sheet flue system with extra large flues adapted to the use of soft coal or wood. Armco-ingot iron back flue with cast bottom elbow. The top is cut into four sections, provided with heavy covers and centers, substantial center rest. Large end feed door for wood, sheet steel ash pan.

Oven — Made of Armco-ingot iron with rib joint in bottom and bar iron braces. It is square, high and roomy, provided with non-breakable wire oven rack, outside spring balanced oven door.

Fire Box — Heavy cast iron linings, fire box extension for long lengths wood. Duplex grate for coal; reversing the grate forms a perfect wood grate. Solid fire back ventilated.

Reservoir — We furnish Armco-ingot iron galvanized reservoir, or copper; the copper is thoroughly tinned inside; this form of reservoir heats by contact; it lays close against the body of range and heats continually; easily attached to square top range; capacity 10 gallons. A special arrangement permits the reservoir to be permanently bolted to the range if desired.

Thermometer — Furnished with all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

Water Heater — Arranged for two-pipe water back coil. Our form of water back coil is not like the old style water backs, which interfered with the baking; it lays apart from the back, allowing the heat to pass entirely around the coils and heat a large amount of water.

High Closet — Made of blue steel, highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door, oven door panel and handle, fire door, flue door, base corners, ash guard, front top edge, towel rod, grate shaker, cover lifter, keys, and all edges, brackets, jambs, door panel and handle, pipe damper and teapot shelves on high closets.

National Stoves, Ranges and Furnaces

Royal National

ARMCO-INGOT IRON RANGE ON LEGS

FOR HARD COAL, SOFT COAL OR WOOD

	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
Square with Porcelain Balustrade	7614	Six 7 inch	14x19x10	24x32	205	$32.50	114632	Benignant
	8414	Four 8 inch	14x19x10	24x32	205	32.50	114646	Benignity
	8616	Four 8, Two 7 inch	16x19x11	24x34	212	35.25	115864	Benzine
	8618	Six 8 inch	18x19x12½	24x36	217	38.00	117108	Bergamot
	8620	Six 8 inch	20x21x12½	26x38	240	43.00	119350	Bonafide
	9620	Four 9, Two 8 inch	20x21x12½	26x38	243	44.00	119804	Bondmaid
Galvanized Reservoir with Porcelain Balustrade	7614	Six 7 inch	14x19x10	24x40	237	$41.25	118560	Berbyme
	8414	Four 8 inch	14x19x10	24x40	237	41.25	118574	Besetting
	8616	Four 8, Two 7 inch	16x19x11	24x42	244	44.00	119802	Beseige
	8618	Six 8 inch	18x19x12½	24x44	249	46.75	121046	Besmear
	8620	Six 8 inch	20x21x12½	26x46	272	51.75	123298	Bondwoman
	9620	Four 9, Two 8 inch	20x21x12½	26x46	275	52.75	123746	Bonus
Copper Reservoir with Porcelain Balustrade	7614	Six 7 inch	14x19x10	24x40	237	$45.25	120362	Bifurcated
	8414	Four 8 inch	14x19x10	24x40	237	45.25	120376	Bifurcous
	8616	Four 8, Two 7 inch	16x19x11	24x42	244	48.00	121604	Bigamist
	8618	Six 8 inch	18x19x12½	24x44	249	50.75	122840	Bigamy
	8620	Six 8 inch	20x21x12½	26x46	272	55.75	125098	Bonton
	9620	Four 9, Two 8 inch	20x21x12½	26x46	275	56.75	125546	Bookcase
Square with Steel High Closet	7614	Six 7 inch	14x19x10	24x32	242	$41.50	118684	Bibacious
	8414	Four 8 inch	14x19x10	24x32	242	41.50	118698	Bibliology
	8616	Four 8, Two 7 inch	16x19x11	24x34	249	44.25	119916	Bibliopole
	8618	Six 8 inch	18x19x12½	24x36	254	47.00	121152	Bicephalous
	8620	Six 8 inch	20x21x12½	26x38	277	52.00	123408	Bookworm
	9620	Four 9, Two 8 inch	20x21x12½	26x38	280	53.00	123850	Borderer
Galvanized Reservoir with Steel High Closet	7614	Six 7 inch	14x19x10	24x40	274	$50.25	122616	Biddy
	8414	Four 8 inch	14x19x10	24x40	274	50.25	122622	Biennial
	8616	Four 8, Two 7 inch	16x19x11	24x42	281	53.00	123854	Biestings
	8618	Six 8 inch	18x19x12½	24x44	286	55.75	125096	Bifoliate
	8620	Six 8 inch	20x21x12½	26x46	309	60.75	127348	Borecole
	9620	Four 9, Two 8 inch	20x21x12½	26x46	312	61.75	127794	Boredom
Copper Reservoir with Steel High Closet	7614	Six 7 inch	14x19x10	24x40	274	$54.25	124410	Bilboes
	8414	Four 8 inch	14x19x10	24x40	274	54.25	124424	Bilingual
	8616	Four 8, Two 7 inch	16x19x11	24x42	281	57.00	125656	Bilinguous
	8618	Six 8 inch	18x19x12½	24x44	286	59.75	126896	Biliteral
	8620	Six 8 inch	20x21x12½	26x46	309	64.75	129148	Borer
	9620	Four 9, Two 8 inch	20x21x12½	26x46	312	65.75	129590	Bossed
Galvanized Reservoir ordered separate from Range, extra						$ 9.50	14284	Web
Copper Reservoir ordered separate from Range, extra						13.50	16082	Weed
Cast Water Back fitted in Range, Fig. 25, extra						4.75	12148	Watery
Cast Water Back separate from Range, extra						6.00	12704	Water
Cast Water "L" Front fitted in Range, Fig. 29, extra						6.00	12706	Wordy
Cast Water "L" separate from Range, extra						7.25	13262	Work
Two-pipe Water Back Coil, Fig. 26, extra						2.25	11028	Wattle
Nickel Legs and 3 Base Strips, extra						3.50	11586	Wrest
If wanted without Balustrade, deduct						2.25	11022	Wild
If wanted without Oven Door Thermometer, deduct						1.25	1564	Wren

*Top surface measurements include Back Top Shelf on Square Ranges.

Water Heater described on pages 14-15.

Excelsior Stove & Manufacturing Company

Blue Steel Range

Winner National

SQUARE WITH HIGH CLOSET

For Hard Coal, Soft Coal or Wood

Description and Price, Pages 58-59

National Stoves, Ranges and Furnaces

Blue Steel Range

Winner National

For Hard Coal, Soft Coal or Wood

WITH GALVANIZED RESERVOIR AND HIGH CLOSET

Description and Price, Pages 58-59

Excelsior Stove & Manufacturing Company

Winner National

STEEL RANGE

FOR HARD COAL, SOFT COAL OR WOOD

Construction — This range will meet the requirements for an article at a low price, and at the same time maintain a degree of appearance that will permit a dealer to sell it to the average class of customers. Moreover, the construction and operation contains those characteristics peculiar to Nationals, which makes them satisfactory in every instance. While the weights of materials used are not up to those embodied in our high-class steel ranges, we have used in its construction reasonable stock. It will therefore give anyone good service. Body is blue steel, asbestos lined. Top is cut in two sections, and provided with ribbed covers and centers; the long center is bolted in place, making it very durable.

Oven — Made of Bessemer steel with rib joint bottom and bar iron braces. It is absolutely square, high and roomy, provided with non-breakable wire oven rack. Outside spring balanced oven door.

Fire Box — Heavy cast linings with self-locking flat-shaking and dumping grate for coal, solid flat grate for wood. One-piece fire back.

Reservoir — We furnish Armco-ingot iron galvanized reservoir. Heats by contact. It lays close against the body of range, and heats continually. Easily attached to square top range. Reservoir capacity 8 gallons.

High Closet — Made of blue steel, nickel trimmed. The stovepipe passes through right-hand end of closet, leaving balance of space available for warming purposes.

Water Heater — Arranged for two-pipe water-back coil if so ordered.

Triple Plated Nickel Trimmings — Oven door and handle, oven panel, ash door damper, front ornament, also edges, end casting, door panel, door handle and teapot shelf on high closet.

National Stoves, Ranges and Furnaces

Winner National

STEEL RANGE

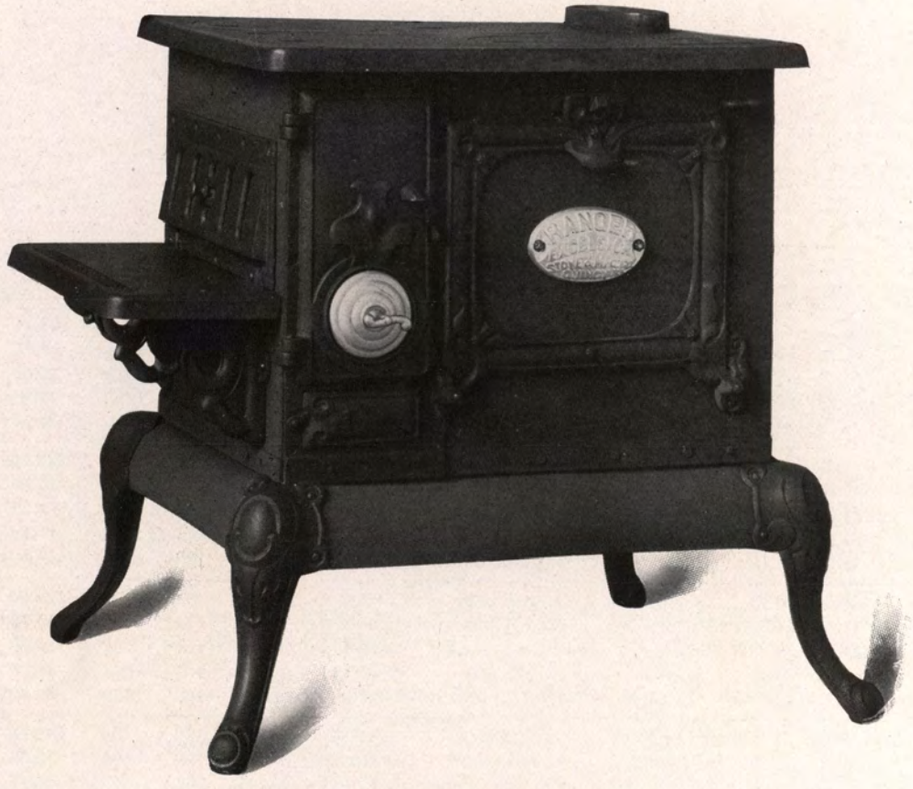
FOR HARD COAL, SOFT COAL OR WOOD

	Factory Number	List for Coal	Protection Number	Code Word	Holes	Ovens	*Top Surface	Weight	Factory Number	List for Wood	Protection Number	Code Word
Square with Steel Balustrade	8412	$22.00	39902	Bucket	Four 8 inch	12x18x10	21x27	115	1284	$21.50	29687	Bulge
	8414	24.25	310916	Buckeye	Four 8 inch	14x18x10	21x29	120	1484	23.75	210693	Bulimia
	8516	26.50	311934	Buckish	Four 8, One 7 inch	16x18x11	21x31	131	1685	26.00	211709	Bulimy
	8518	28.75	312948	Buckle	Five 8 inch	18x21x11	24x33	145	1885	28.25	212715	Bulky
	9518	29.75	313396	Buckram	Four 9, One 6 inch	18x21x11	24x33	148	1895	29.25	213169	Burliness
Galvanized Reservoir with Steel Balustrade	8412	$27.25	312264	Buckskin	Four 8 inch	12x18x10	21x34	135	1284	$26.75	212047	Bullate
	8414	29.50	313288	Bucolic	Four 8 inch	14x18x10	21x36	140	1484	29.00	213053	Bulldog
	8516	31.75	314292	Buddle	Four 8, One 7 inch	16x18x11	21x38	151	1685	31.25	214065	Bullet
	8518	34.00	315306	Budge	Five 8 inch	18x21x11	24x40	165	1885	33.50	215087	Bullion
	9518	35.00	315756	Budlet	Four 9, One 6 inch	18x21x11	24x40	168	1895	34.50	215535	Bullock
Square with Steel High Closet	8412	$29.00	313052	Blower	Four 8 inch	12x18x10	21x27	155	1284	$28.50	212839	Border
	8414	31.25	314064	Blozy	Four 8 inch	14x18x10	21x29	160	1484	30.75	213843	Boreing
	8516	33.50	315088	Blubber	Four 8, One 7 inch	16x18x11	21x31	171	1685	33.00	214855	Boreal
	8518	35.75	316096	Bluebell	Five 8 inch	18x21x11	24x33	185	1885	35.25	215867	Borce
	9518	36.75	316544	Blueness	Four 9, One 6 inch	18x21x11	24x33	188	1895	36.25	216313	Borne
Galvanized Reservoir with Steel High Closet	8412	$34.25	315414	Blooming	Four 8 inch	12x18x10	21x34	175	1284	$33.75	215197	Boron
	8414	36.50	316436	Blossom	Four 8 inch	14x18x10	21x36	180	1484	36.00	216209	Borrow
	8516	38.75	317442	Blotch	Four 8, One 7 inch	16x18x11	21x38	191	1685	38.25	217215	Boscage
	8518	41.00	318458	Blotty	Five 8 inch	18x21x11	24x40	205	1885	40.50	218237	Bosly
	9518	42.00	318908	Blouse	Four 9, One 6 inch	18x21x11	24x40	208	1895	41.50	218685	Botanic
Reservoir ordered separate from Range, extra										$6.75	23043	Web
Two-Pipe Water Back Coil, Fig. 26, extra										2.25	21027	Wattle
If wanted without Balustrade, deduct										1.00	2455	Wild

*Top surface measurements include Back Top Shelf on Square Ranges.

Water Heaters described on pages 14-15.

Excelsior Stove & Manufacturing Company



Steel Cook

Ranger National

Japanned Body

FOR COAL

Factory Number	Holes	Ovens	Top Surface	Weight	List	Protection Number	Code Word
712	Four 7 inch	12x17x10	20x24	104	**$19.25**	38662	Impeach
812	Four 8 inch	12x17x10	20x24	105	**20.25**	39114	Impede

FOR WOOD ONLY

127	Four 7 inch	12x17x10	20x24	102	**$18.75**	38448	Latten
128	Four 8 inch	12x17x10	20x24	103	**19.75**	38896	Lattice

Has cast top with one loose short center and heavy cast linings, shaking and dump grate self-locking; rolling damper, cast hearth, steel ash pan, drop oven door, flue clean-out under ash door, cast legs and steel skirtings. Nickel oven door panel and damper. No oven rack (inside shelf) furnished with these stoves.

National Stoves, Ranges and Furnaces

Steel Cook

Ranch National

Japanned Body

FOR COAL

Factory Number	Holes	Ovens	Top Surface	Weight	List	Protection Number	Code Word
712	Four 7 inch	12x17x10	20x24	87	$16.75	47543	Impaste
812	Four 8 inch	12x17x10	20x24	88	17.75	47997	Impatient

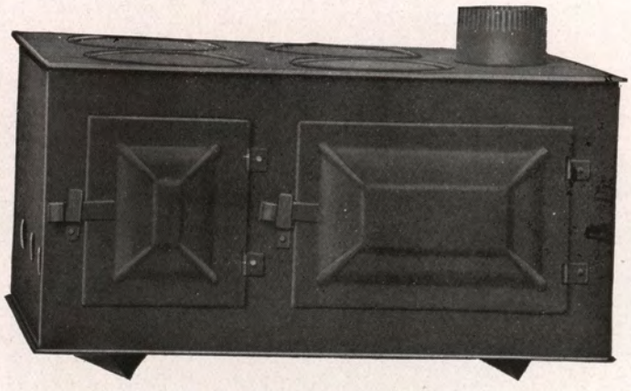
FOR WOOD ONLY

127	Four 7 inch	12x17x10	20x24	85	$16.25	47315	Lather
128	Four 8 inch	12x17x10	20x24	86	17.25	47769	Latin

Japanned steel body, steel oven with oven bottom center rib, makes them substantial.

Has cast top with one loose short center and heavy cast lining, shaking and dump grate, self-locking, rolling damper, steel ash pan, drop oven door, flue clean-out under ash door, steel legs provided with bolt holes. No oven rack (inside shelf) furnished with these stoves.

Excelsior Stove & Manufacturing Company



Blue Steel

S. U. Camp Stove

For Wood Only

Factory Number	Holes	Ovens	Top	Height	Weight	List	Protection Number	Code Word
2	2	10x10	12x23	12	20	$3.15	51424	Latent
4	4	10x15½	16x23	12	25	4.40	51986	Lateral

Price includes 6-foot telescope pipe.

SHIPPED SET UP AND CRATED ONE IN A CRATE

Blue Steel

K. D. Camp Stove

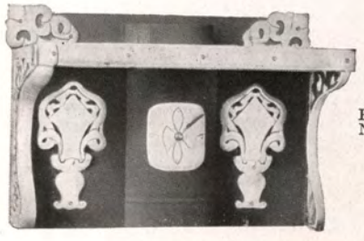
For Wood Only

Factory Number	Holes	Ovens	Top	Height Body	Weight	List	Protection Number	Code Word
22	2	10x10	12x23	12	27	$4.30	51948	Lava
44	4	10x15½	16x23	12	32	5.55	52502	Laver

Price includes 6-foot telescope pipe.

The illustration shows our Knock Down Camp Stove mounted upon the box in which it is packed for shipment. Sliding damper over the oven makes it a perfect baker. Cast corners and cast legs, easily set up, saves space and freight. Edges are made of slotted steel tubing and slide over special folded ends, making strictly airtight and ashproof joints.

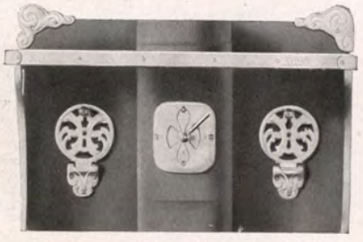
National Stoves, Ranges and Furnaces



No. 2

Steel High Shelf

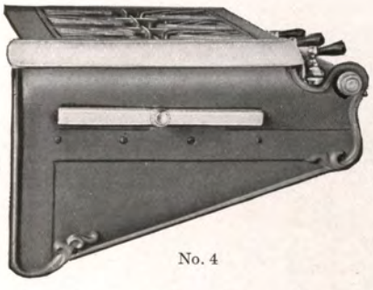
Factory Number	List	Protection Number	Code Word
2	$8.25	63713	Woody
3	6.25	62817	Wooing



No. 3

These High Shelves may be used instead of High Closets shown on National Ranges. They are made to order and will fit only the particular range for which they are intended.

No. 2 used on Colonial, Corporal, Roman, Modern, Kitchen, Grecian, Classic, Arabian, Apollo.
No. 3 used on Surety, Safety, Chief, Cameo, Victor Royal, Dorian, Dexter, Guide.



No. 4

National Gas Hot Plate

FOR NATURAL OR ARTIFICIAL GAS

Factory Number		List	Protection Number	Code Word
4	Fitted to Range	$11.25	65065	Worker
4	Separate from Range	12.00	65409	Working

See illustration as attached to our Surety National, page 36.

Used on all sizes Surety, Safety, Cameo, Chief, and on 8618 size only Kitchen, Grecian, Classic, Roman, Modern and 8620 Arabian, Apollo.

When ordering state name of range and size for which it is intended.

These are made with three extra large star burners on top with loose spider sections. The entire line of burners may be removed for cleaning. Lever valves always indicate the amount of gas supplied. Galvanized scavenger pan removable through front. Size gas cooking top, 14x28½ inches.

No. 5

National Gas Companion

FOR NATURAL OR ARTIFICIAL GAS

Factory Number		List	Protection Number	Code Word
5	Fitted to Range	$29.25	613167	Workman
5	Separate from Range	30.00	613505	Workshop

See illustration as attached to our Surety National, page 37.
Used on all sizes Surety, Safety, Cameo, Chief.
When ordering state name of range and size for which it is intended.

Our Gas Companion consists of an attachable gas cooker and baker. It has three large star burners on top with loose spider sections. The entire line of burners may be removed for cleaning. Lever valves always indicate the amount of gas supplied. Galvanized oven top and scavenger pan removable through front. Size gas cooking top, 14x28½ inches. The oven is provided with a double burner and pilot lighter, visible through mica front. The oven bottom is double and removable, permitting free access to the burners for cleaning. Wire oven rack adjustable to any height in the oven space; oven door thermometer. The entire oven is made of steel, thoroughly asbestos lined, with cast burner top and oven front. Size gas oven, 14 inches wide, 18 inches deep, 11½ inches high.

Excelsior Stove & Manufacturing Company

Porcelain Balustrade

Cast Range

Roman National

For Hard Coal, Soft Coal or Wood

SQUARE WITH STEEL HIGH CLOSET

Description and Price, Pages 66-67

For Gas Attachment to Fit this Range, See Page 63

National Stoves, Ranges and Furnaces

Cast Range

Porcelain Balustrade

Roman National

For Hard Coal, Soft Coal or Wood

WITH RESERVOIR AND STEEL HIGH CLOSET

Description and Price, Pages 66-67

THE FIRE BACK IN THIS RANGE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Roman National

CAST RANGE

With Swinging Oven Door

FOR HARD COAL, SOFT COAL OR WOOD

Construction — A range of high-class construction, made of all cast iron, with all the advantages of steel ranges. The design is plain and handsome, easily cleaned and kept clean, with enough nickel trimmings to produce a rich and pleasing effect. These ranges contain all our exclusive National features that save fuel and make quick cookers and fine bakers. Mounted with bolts throughout, which allow free expansion and contraction of all parts, and prevent fire cracking of oven plates. Large sheet steel ash pan, draw-out and drop hearth slide, cemented oven top, cut long centers, heavy covers, substantial center rest, top cut in four sections, sheet flue system with extra large flues. One simmering cover furnished with each range.

We direct your special attention to the base-raising feature, a convenience when sweeping under the range.

Oven — Large, square, high and roomy, with all oven plates reinforced to prevent cracking. Oven rack is wire and non-breakable. Oven doors aluminum lined.

Fire Box — Extra heavy and reinforced cast iron linings, with the National duplex grate for coal, same grate reversed for wood. This grate is adapted for either hard or soft coal. Porcupine fire back (guaranteed twenty-five years).

Damper — Plunger damper for direct draft operates on outside of the body and can never warp. This is the only damper required, whether used with or without reservoir.

Reservoir — Made of all copper, tinned inside. Heats by contact, i. e., the entire front of the reservoir lays close against the back of the range and absorbs the heat continually. There is no opening into the range back and requires no reservoir damper, therefore this system can not interfere with perfect baking. Has cast ends, cast top and japanned cover. The back of boiler is covered with an extra sheet of blue steel. Can be attached to square top range by removing the back shelf only. A special fastening device allows the reservoir to be bolted to the body permanently, and is sufficiently strong so that the range may be carried by the reservoir.

Reservoir capacity 8616 is 9 gallons; 8618-9618 is 10 gallons; 8620-9620 is 11 gallons.

Thermometer — Furnished with all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

Water Heater — Arranged for two-pipe water front coil, or two-pipe water back coil. Our system of water back coil heats most water and does not interfere with baking.

High Closet — Made of blue polished steel, highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door panel and handle, front door panel and handle, fire door handle, hearth edge, oven shelf edge, front top edge, ash guard, kicker, towel rod, shaker and cover lifter.

Roman National

CAST RANGE

With Swinging Oven Door

FOR HARD COAL, SOFT COAL OR WOOD

	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
	8616	Four 8, Two 6 inch	16x17x11	27x35	330	**$49.25**	722164	Carbine
Square with	**8618**	Six 8 inch	18x19x11¾	29x37	370	**53.75**	724198	Carbonic
Porcelain	**9818**	Four 9, Two 6 inch	18x19x11¾	29x37	373	**54.75**	724646	Carboy
Balustrade	**8620**	Six 8 inch	20x21x12½	31x39	402	**58.75**	726442	Carcass
	9620	Four 9, Two 8 inch	20x21x12½	31x39	405	**59.75**	726894	Cardamon
	8616	Four 8, Two 6 inch	16x17x11	27x42	383	**$64.00**	728806	Cardiac
Reservoir with	**8618**	Six 8 inch	18x19x11¾	29x44	423	**68.50**	730830	Careen
Porcelain	**9618**	Four 9, Two 6 inch	18x19x11¾	29x44	426	**69.50**	731284	Careful
Balustrade	**8620**	Six 8 inch	20x21x12½	31x46	455	**73.50**	733086	Careless
	9620	Four 9, Two 8 inch	20x21x12½	31x46	458	**74.50**	733538	Caret
	8616	Four 8, Two 6 inch	16x17x11	27x35	388	**$60.75**	727342	Carnelian
Square with	**8618**	Six 8 inch	18x19x11¾	29x37	428	**65.25**	729368	Carnival
Steel	**9618**	Four 9, Two 6 inch	18x19x11¾	29x37	431	**66.25**	729814	Carol
High Closet	**8620**	Six 8 inch	20x21x12½	31x39	460	**70.25**	731616	Carotid
	9620	Four 9, Two 8 inch	20x21x12½	31x39	463	**71.25**	732060	Carouse
	8616	Four 8, Two 6 inch	16x17x11	27x42	441	**$75.50**	733984	Carpal
Reservoir	**8618**	Six 8 inch	18x19x11¾	29x44	481	**80.00**	736002	Carpet
with Steel	**9618**	Four 9, Two 6 inch	18x19x11¾	29x44	484	**81.00**	736458	Carping
High Closet	**8620**	Six 8 inch	20x21x12½	31x46	513	**85.00**	738256	Carrier
	9620	Four 9, Two 8 inch	20x21x12½	31x46	516	**86.00**	738704	Carrion

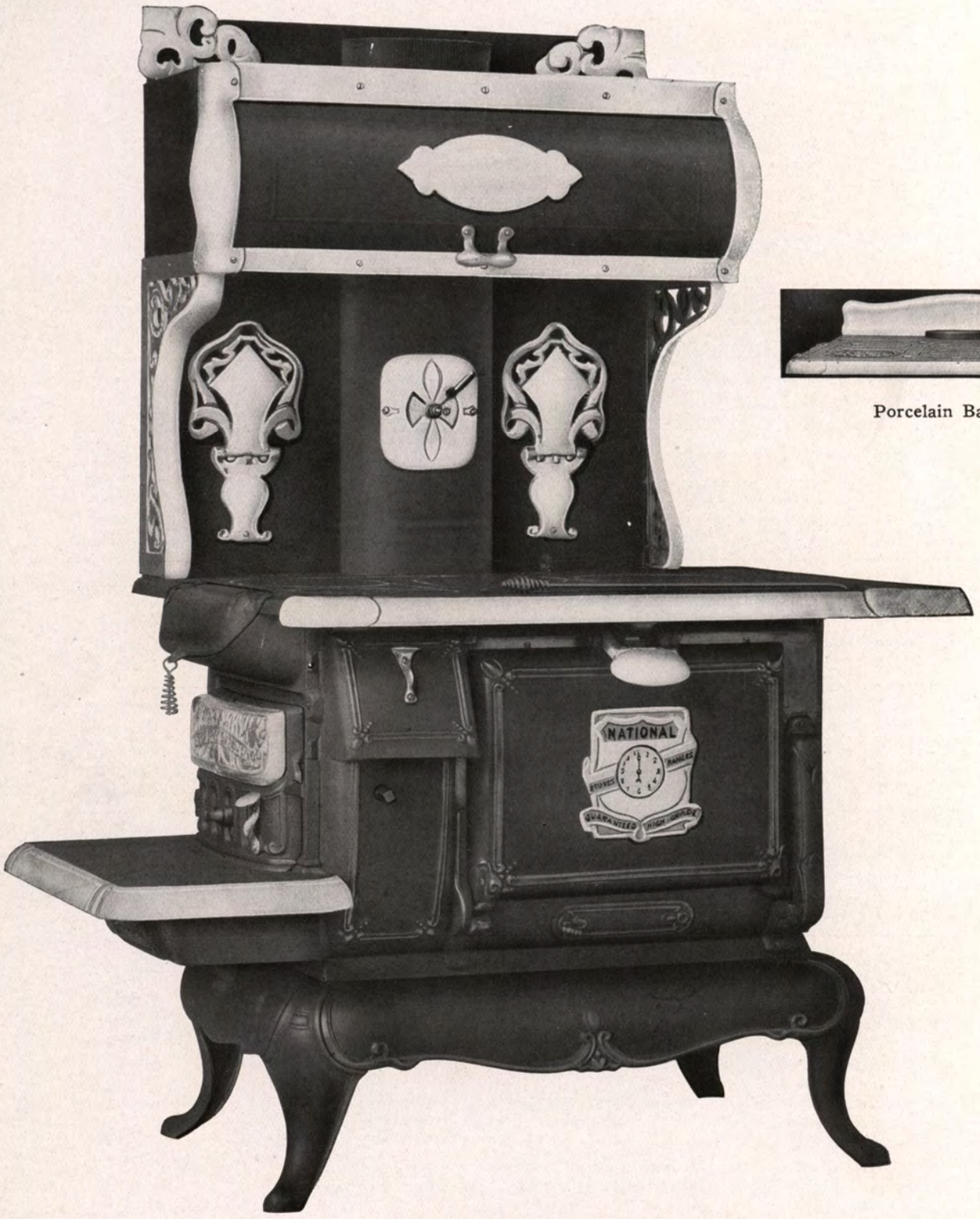
Water Front Coil fitted in Range, Fig. 23, extra	**$ 4.75**	72148	Wily
Water Front Coil separate from Range, extra	**6.00**	72704	Wince
Two-Pipe Water Back Coil, Fig. 26, extra	**2.25**	71026	Wattle
Nickel Legs and Base, as shown on Kitchen National, extra	**3.25**	71464	Wrest
If wanted without Balustrade, deduct	**2.25**	71028	Whig
Copper Reservoir ordered separate from Range, extra	**15.50**	76982	Weed

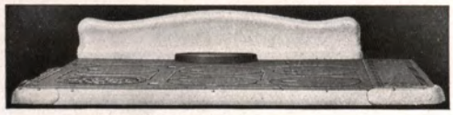
*Top surface measurements include Back Shelf on Square Ranges.

Water Heaters described on pages 14-15.

For Gas attachment, see page 63.

Excelsior Stove & Manufacturing Company





Porcelain Balustrade

Cast Range

Modern National

For Hard Coal, Soft Coal or Wood

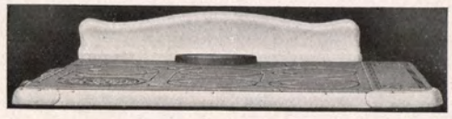
SQUARE WITH STEEL HIGH CLOSET

Description and Price, Pages 70-71

For Gas Attachment to Fit this Range, See Page 63

National Stoves, Ranges and Furnaces

Cast Range



Porcelain Balustrade

Modern National

For Hard Coal, Soft Coal or Wood

WITH RESERVOIR AND STEEL HIGH CLOSET

Description and Price, Pages 70-71

THE FIRE BACK IN THIS RANGE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Modern National

CAST RANGE

With Drop Oven Door

FOR HARD COAL, SOFT COAL OR WOOD

Construction — A range of high class construction, made of all cast iron, with all the advantages of steel ranges. The design is plain and handsome, easily cleaned and kept clean, with enough nickel trimmings to produce a rich and pleasing effect. These ranges contain all our exclusive National features that save fuel and make quick cookers and fine bakers. Mounted with bolts throughout, which allows free expansion and contraction of all parts, and prevents fire cracking of oven plates. Large sheet steel ash pan, draw-out and drop hearth slide, cemented oven top, cut long centers, heavy covers, substantial center rest, top cut in four sections, sheet flue system with extra large flues, and pouch feed suitable for either coal or wood, spring balanced oven door. One simmering cover furnished with each range.

We direct your special attention to the base-raising feature, a convenience when sweeping under the range.

Oven — Large, square, high and roomy, with all oven plates reinforced to prevent cracking. Oven rack is wire and non-breakable. Oven doors lined with sheet steel.

Fire Box — Extra heavy and reinforced cast iron linings with the National duplex grate for coal, same grate reversed for wood. This grate is adapted for either hard coal or soft coal. Porcupine fire back (guaranteed twenty-five years).

Damper — Plunger damper for direct draft operates on outside of the body and can never warp. This is the only damper required, whether used with or without reservoir.

Reservoir — Made of all copper, tinned inside. Heats by contact, i. e., the entire front of the reservoir lays close against the back of the range and absorbs the heat continually. There is no opening into the range back and requires no reservoir damper, therefore this system can not interfere with perfect baking. Has cast ends, cast top and japanned cover. The back of boiler is covered with an extra sheet of blue steel. Can be attached to square top range by removing the back shelf only. A special fastening device allows the reservoir to be bolted to the body permanently, and is sufficiently strong so that the range may be carried by the reservoir.

Reservoir capacity 8616 is 9 gallons; 8618-9618 is 10 gallons; 8620-9620 is 11 gallons.

Thermometer — Furnished with all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

Water Heater — Arranged for two-pipe water front coil or two-pipe water back coil. Our system of water back coil heats more water and does not interfere with baking.

High Closet — Made of blue polished steel, highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door panel and handle, front door panel and handle, fire door handle, hearth edge, front top edge, kicker, towel rod, shaker and cover lifter.

Modern National

CAST RANGE

With Drop Oven Door

FOR HARD COAL, SOFT COAL OR WOOD

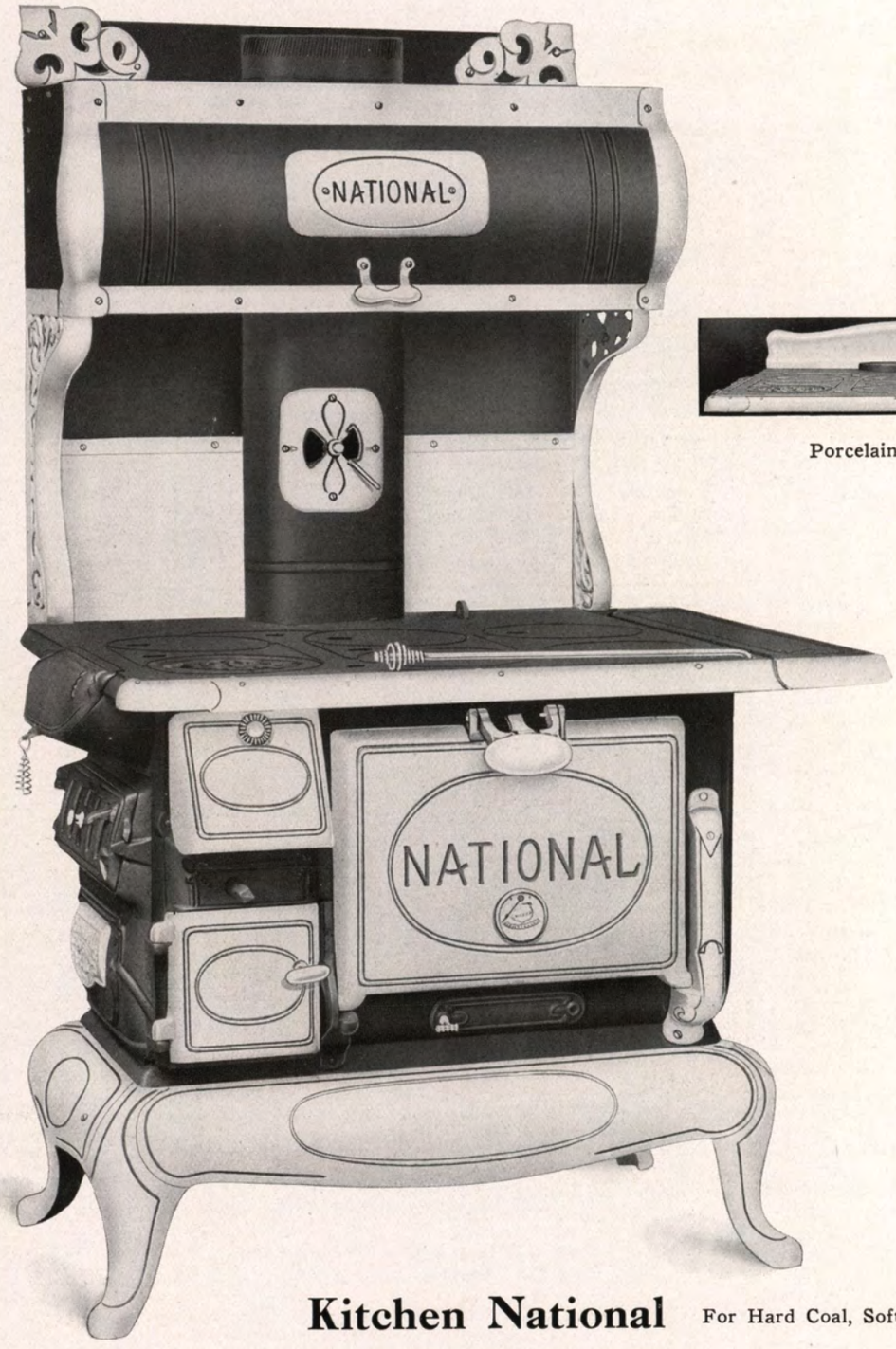
	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
	8616	Four 8, Two 6 inch	16x17x11	27x35	330	$49.25	822169	Carrot
Square with	8618	Six 8 inch	18x19x11¾	29x37	370	53.75	824193	Carthage
Porcelain	9618	Four 9, Two 6 inch	18x19x11¾	29x37	373	54.75	824645	Cartel
Balustrade	8620	Six 8 inch	20x21x12½	31x39	402	58.75	826447	Cartoon
	9620	Four 9, Two 8 inch	20x21x12½	31x39	405	59.75	826895	Cartouch
	8616	Four 8, Two 6 inch	16x17x11	27x42	383	$64.00	828807	Carver
Reservoir	8618	Six 8 inch	18x19x11¾	29x44	423	68.50	830839	Cascade
with Porcelain	9618	Four 9, Two 6 inch	18x19x11¾	29x44	426	69.50	831283	Casemate
Balustrade	8620	Six 8 inch	20x21x12½	31x46	455	73.50	833085	Casement
	9620	Four 9, Two 8 inch	20x21x12½	31x46	458	74.50	833539	Caseous
	8616	Four 8, Two 6 inch	16x17x11	27x35	388	$60.75	827347	Castle
Square with	8618	Six 8 inch	18x19x11¾	29x37	428	65.25	829363	Castrate
Steel	9618	Four 9, Two 6 inch	18x19x11¾	29x37	431	66.25	829817	Casual
High Closet	8620	Six 8 inch	20x21x12½	31x39	460	70.25	831615	Casnist
	9620	Four 9, Two 8 inch	20x21x12½	31x39	463	71.25	832069	Casuistic
	8616	Four 8, Two 6 inch	16x17x11	27x42	441	$75.50	833985	Cataract
Reservoir	8618	Six 8 inch	18x19x11¾	29x44	481	80.00	836007	Catarrh
with Steel	9618	Four 9, Two 6 inch	18x19x11¾	29x44	484	81.00	836453	Catcall
High Closet	8620	Six 8 inch	20x21x12½	31x46	513	85.00	838255	Catcher
	9620	Four 9, Two 8 inch	20x21x12½	31x46	516	86.00	838709	Catching
Water Front Coil fitted in Range, Fig. 23, extra						$ 4.75	82145	Wily
Water Front Coil separate from Range, extra						6.00	82703	Wince
Two-Pipe Water Back Coil, Fig. 26, extra						2.25	81029	Wattle
Nickel Legs and Base, as shown on Kitchen National, extra						3.25	81465	Wrest
If wanted without Balustrade, deduct						2.25	81025	Whig
Copper Reservoir ordered separate from Range, extra						15.50	86987	Weed

*Top surface measurements include Back Shelf on Square Ranges.

Water Heaters described on pages 14-15.

For Gas Attachment, see page 63.

Excelsior Stove & Manufacturing Company



Cast Range

Porcelain Balustrade

Kitchen National

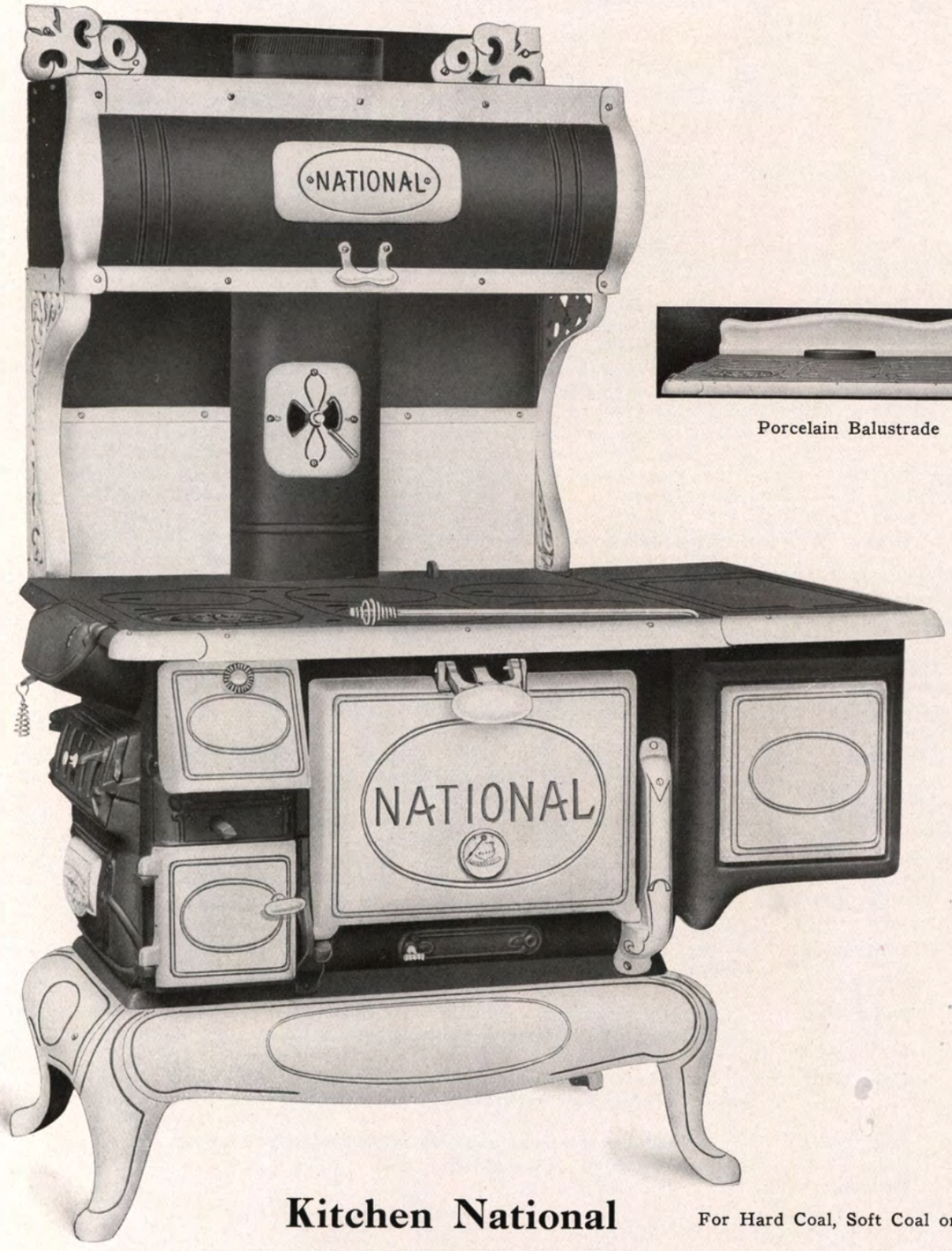
For Hard Coal, Soft Coal or Wood

SQUARE WITH STEEL HIGH CLOSET

Description and Price, Pages 74-75

For Gas Attachment to Fit this Range, See Page 63

National Stoves, Ranges and Furnaces



Porcelain Balustrade

Cast Range

Kitchen National

For Hard Coal, Soft Coal or Wood

WITH RESERVOIR AND STEEL HIGH CLOSET

Description and Price, Pages 74-75

THE FIRE BACK IN THIS RANGE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Kitchen National

CAST RANGE

Straight End with Drop Oven Door

FOR HARD COAL, SOFT COAL OR WOOD

Construction — A range of high class construction, made of all cast iron, with all the advantages of steel ranges. The design is plain and handsome, easily cleaned and kept clean. Elaborately nickel trimmed. These ranges contain all our exclusive National features that save fuel and make quick cookers and fine bakers. Mounted with bolts throughout, which allows free expansion and contraction of all parts, and prevents fire cracking of oven plates. Large sheet steel ash pan, cemented oven top, cut long centers, heavy covers, substantial center rest, top cut in four sections, sheet flue system with extra large flues, end pouch feed suitable for either coal or wood, spring balanced oven door. One simmering cover furnished with each range.

We direct your special attention to the base-raising feature, a convenience when sweeping under the range.

Oven — Large, square, high and roomy, with all oven plates reinforced to prevent cracking. Oven rack is wire and non-breakable. Oven doors lined with sheet steel.

Fire Box — Extra heavy and reinforced cast iron linings with the National duplex grate for coal, same grate reversed for wood. This grate is adapted for either hard coal or soft coal. Porcupine fire back (guaranteed twenty-five years).

Damper — Plunger damper for direct draft operates on outside of the body and can never warp. This is the only damper required, whether used with or without reservoir.

Reservoir — Made of all copper, tinned inside. Heats by contact, i. e., the entire front of the reservoir lays close against the back of the range and absorbs the heat continually. There is no opening into the range back and requires no reservoir damper, therefore this system can not interfere with perfect baking. Has cast ends, cast top and japanned cover. The back of boiler is covered with an extra sheet of blue steel. Can be attached to square top range by removing the back shelf only. A special fastening device allows the reservoir to be bolted to the body permanently, and is sufficiently strong so that the range may be carried by the reservoir.

Reservoir capacity 8616 is 9 gallons; 8618-9618 is 10 gallons; 8620-9620 is 11 gallons.

Thermometer — Furnished with all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

Water Heater — Arranged for two-pipe water front coil or two-pipe water back coil. Our system of water back coil heats more water and does not interfere with baking.

High Closet — Made of blue polished steel with porcelain splash guard, it is highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Legs and three base strips, oven door and handle, fire door, ash door, front top edge, panel on reservoir, towel rod, shaker and cover lifter.

Kitchen National

CAST RANGE

Straight End with Drop Oven Door

FOR HARD COAL, SOFT COAL OR WOOD

	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
	8616	Four 8, Two 6 inch	16x17x11	27x35	312	$54.00	924304	Churl
Square with	8618	Six 8 inch	18x19x11¾	29x37	353	58.50	926332	Chyle
Porcelain	9618	Four 9, Two 6 inch	18x19x11¾	29x37	356	59.50	926786	Cleatrix
Balustrade	8620	Six 8 inch	20x21x12½	31x39	388	63.50	928580	Cleatrize
	9620	Four 9, Two 8 inch	20x21x12½	31x39	391	64.50	929038	Cillary
	8616	Four 8, Two 6 inch	16x17x11	27x42	365	$68.75	930946	Cimeter
Reservoir with	8618	Six 8 inch	18x19x11¾	29x44	406	73.25	932962	Cimmerian
Porcelain	9618	Four 9, Two 6 inch	18x19x11¾	29x44	409	74.25	933414	Cinchona
Balustrade	8620	Six 8 inch	20x21x12½	31x46	441	78.25	935218	Cincture
	9620	Four 9, Two 8 inch	20x21x12½	31x46	444	79.25	935664	Cinerary
	8616	Four 8, Two 6 inch	16x17x11	27x35	370	$65.50	929486	Cinnabar
Square	8618	Six 8 inch	18x19x11¾	29x37	411	70.00	931504	Cinnamon
with Steel	9618	Four 9, Two 6 inch	18x19x11¾	29x37	414	71.00	931958	Cinque
High Closet	8620	Six 8 inch	20x21x12½	31x39	446	75.00	933750	Cipher
	9620	Four 9, Two 8 inch	20x21x12½	31x39	449	76.00	934202	Cirean
	8616	Four 8, Two 6 inch	16x17x11	27x42	423	$80.25	936114	Circinal
Reservoir	8618	Six 8 inch	18x19x11¾	29x44	464	84.75	938148	Circlet
with Steel	9618	Four 9, Two 6 inch	18x19x11¾	29x44	467	85.75	938596	Circuit
High Closet	8620	Six 8 inch	20x21x12½	31x46	499	89.75	940392	Circular
	9620	Four 9, Two 8 inch	20x21x12½	31x46	502	90.75	940846	Circulate

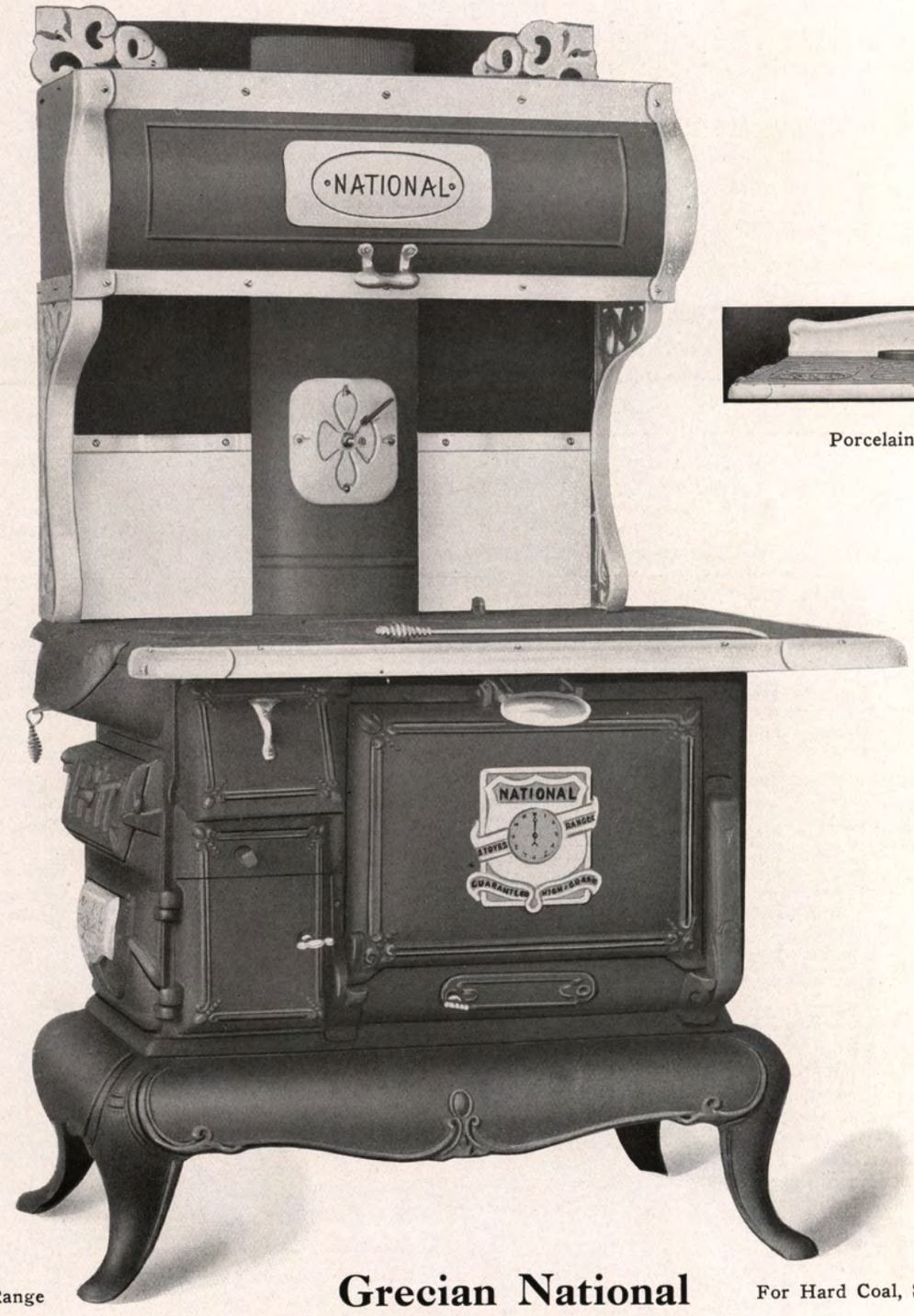
Water Front Coil fitted in Range, Fig. 23, extra	$ 4.75	92146	Wily
Water Front Coil separate from Range, extra	6.00	92704	Wince
Two-Pipe Water Back Coil, Fig. 26, extra	2.25	91028	Wattle
If wanted without Balustrade, deduct	2.25	91026	Whig
Copper Reservoir ordered separate from Range, extra	15.50	96982	Weed

*Top surface measurements include Back Top Shelf on Square Ranges.

Water Heaters described on pages 14-15.

For Gas Attachment, see page 63.

Excelsior Stove & Manufacturing Company



Porcelain Balustrade

Cast Range

Grecian National

For Hard Coal, Soft Coal or Wood

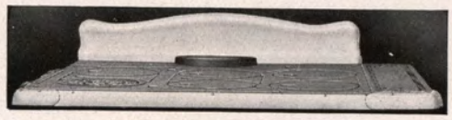
SQUARE WITH STEEL HIGH CLOSET

Description and Price, Pages 78-79

For Gas Attachment to Fit this Range, See Page 63

National Stoves, Ranges and Furnaces

Cast Range



Porcelain Balustrade

Grecian National

For Hard Coal, Soft Coal or Wood

WITH RESERVOIR AND STEEL HIGH CLOSET

Description and Price, Pages 78-79

THE FIRE BACK IN THIS RANGE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Grecian National

CAST RANGE

Straight End with Drop Oven Door

FOR HARD COAL, SOFT COAL OR WOOD

Construction — A range of high class construction, made of all cast iron, with all the advantages of steel ranges. The design is plain and handsome, easily cleaned and kept clean, with enough nickel trimmings to produce a rich and pleasing effect. These ranges contain all our exclusive National features that save fuel and make quick cookers and fine bakers. Mounted with bolts throughout, which allows free expansion and contraction of all parts, and prevents fire cracking of oven plates. Large sheet steel ash pan, cemented oven top, cut long centers, heavy covers, substantial center rest, top cut in four sections, sheet flue system with extra large flues, end pouch feed suitable for either coal or wood, spring balanced oven door. One simmering cover furnished with each range.

We direct your special attention to the base-raising feature, a convenience when sweeping under the range.

Oven — Large, square, high and roomy, with all oven plates reinforced to prevent cracking. Oven rack is wire and non-breakable. Oven doors lined with sheet steel.

Fire Box — Extra heavy and reinforced cast iron linings with the National duplex grate for coal, same grate reversed for wood. This grate is adapted for either hard coal or soft coal. Porcupine fire back (guaranteed twenty-five years).

Damper — Plunger damper for direct draft operates on outside of the body and can never warp. This is the only damper required, whether used with or without reservoir.

Reservoir — Made of all copper, tinned inside. Heats by contact, i. e., the entire front of the reservoir lays close against the back of the range and absorbs the heat continually. There is no opening into the range back and requires no reservoir damper, therefore this system can not interfere with perfect baking. Has cast ends, cast top and japanned cover. The back of boiler is covered with an extra sheet of blue steel. Can be attached to square top range by removing the back shelf only. A special fastening device allows the reservoir to be bolted to the body permanently, and is sufficiently strong so that the range may be carried by the reservoir.

Reservoir capacity 8616 is 9 gallons; 8618-9618 is 10 gallons; 8620-9620 is 11 gallons.

Thermometer — Furnished with all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

Water Heater — Arranged for two-pipe water front coil or two-pipe water back coil. Our system of water back coil heats more water and does not interfere with baking.

High Closet — Made of blue polished steel with porcelain splash guard, it is highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door panel and handle, name plate, fire door handle, front top edge, towel rod, shaker and cover lifter.

Grecian National

CAST RANGE

Straight End with Drop Oven Door

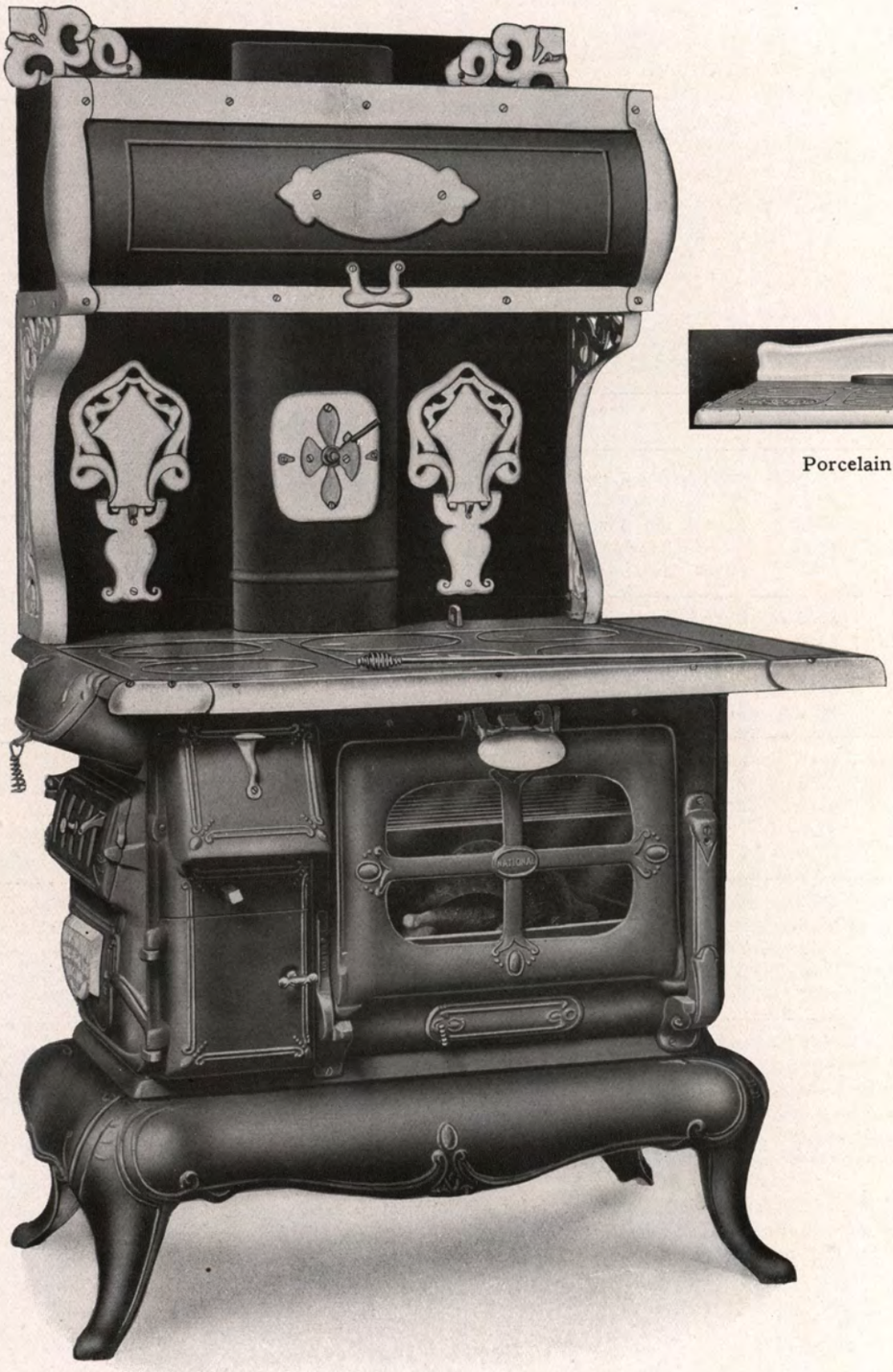
FOR HARD COAL, SOFT COAL OR WOOD

	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
	8616	Four 8, Two 6 inch	16x17x11	27x35	312	$47.25	121265	Catchup
Square with	8618	Six 8 inch	18x19x11¾	29x37	353	51.75	123297	Category
Porcelain	9618	Four 9, Two 6 inch	18x19x11¾	29x37	356	52.75	123743	Catenate
Balustrade	8620	Six 8 inch	20x21x12½	31x39	388	56.75	125545	Caterer
	9620	Four 9, Two 8 inch	20x21x12½	31x39	391	57.75	125997	Cateress
	8616	Four 8, Two 6 inch	16x17x11	27x42	365	$62.00	127909	Cathartic
Reservoir with	8618	Six 8 inch	18x19x11¾	29x44	406	66.50	129935	Cathedral
Porcelain	9618	Four 9, Two 6 inch	18x19x11¾	29x44	409	67.50	130383	Catheter
Balustrade	8620	Six 8 inch	20x21x12½	31x46	441	71.50	132187	Cathode
	9620	Four 9, Two 8 inch	20x21x12½	31x46	444	72.50	132635	Catkin
	8616	Four 8, Two 6 inch	16x17x11	27x35	370	$58.75	126447	Caution
Square	8618	Six 8 inch	18x19x11¾	29x37	411	63.25	128463	Cavalier
with Steel	9618	Four 9, Two 6 inch	18x19x11¾	29x37	414	64.25	128915	Cavalry
High Closet	8620	Six 8 inch	20x21x12½	31x39	446	68.25	130719	Caveat
	9620	Four 9, Two 8 inch	20x21x12½	31x39	449	69.25	131163	Cavern
	8616	Four 8, Two 6 inch	16x17x11	27x42	423	$73.50	133085	Caviare
Reservoir 8618 ~~9618~~		Six 8 inch	18x19x11¾	29x44	464	78.00	135107	Caviler
with Steel	9618	Four 9, Two 6 inch	18x19x11¾	29x44	467	79.00	135559	Cavity
High Closet	8620	Six 8 inch	20x21x12½	31x46	499	83.00	137353	Cave
	9620	Four 9, Two 8 inch	20x21x12½	31x46	502	84.00	137805	Cavil
Water Front Coil fitted in Range, Fig. 23, extra						$ 4.75	12147	Wily
Water Front Coil separate from Range, extra						6.00	12709	Wince
Two-Pipe Water Back Coil, Fig. 26, extra						2.25	11025	Wattle
Nickel Legs and Base as shown on Kitchen National, extra						3.25	11465	Wrest
If wanted without Balustrade, deduct						2.25	11027	Whig
Copper Reservoir ordered separate from Range, extra						15.50	16983	Weed

*Top surface measurements include Back Top Shelf on Square Ranges.

Water Heaters described on pages 14-15.
For Gas Attachment, see page 63.

Excelsior Stove & Manufacturing Company



Porcelain Balustrade

Cast Range

Classic National

For Hard Coal, Soft Coal or Wood

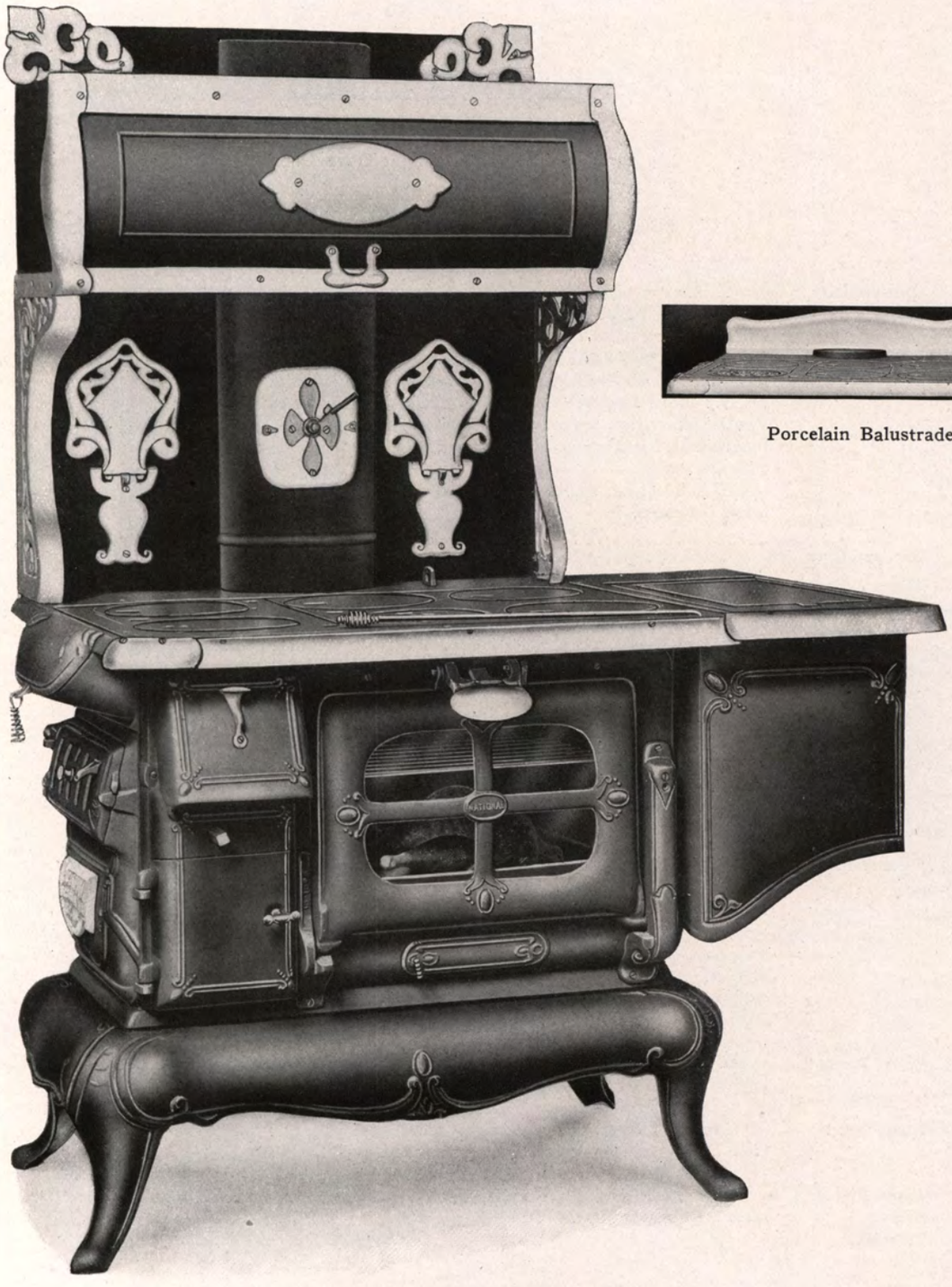
SQUARE WITH STEEL HIGH CLOSET

Description and Price, Pages 82-83

For Gas Attachment to Fit this Range, See Page 63

National Stoves, Ranges and Furnaces

Porcelain Balustrade



Cast Range

Classic National

For Hard Coal, Soft Coal or Wood

WITH RESERVOIR AND STEEL HIGH CLOSET

Description and Price, Pages 82-83

THE FIRE BACK IN THIS RANGE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Classic National

CAST RANGE

Straight End with Daylight Oven Door

FOR HARD COAL, SOFT COAL OR WOOD

Construction

A range of high class construction, made of all cast iron, with all the advantages of steel ranges. The design is plain and handsome, easily cleaned and kept clean, with enough nickel trimmings to produce a rich and pleasing effect. These ranges contain all our exclusive National features that save fuel and make quick cookers and fine bakers. Mounted with bolts throughout, which allows free expansion and contraction of all parts, and prevents fire cracking of oven plates. Large sheet steel ash pan, cemented oven top, cut long centers, heavy covers, substantial center rest, top cut in four sections, sheet flue system with extra large flues, end pouch feed suitable for either coal or wood, spring balanced oven door. One simmering cover furnished with each range.

We direct your special attention to the base-raising feature, a convenience when sweeping under the range.

Daylight Oven

Large, square, high and roomy. The oven door contains four sections of mica, which admit daylight into the oven; the progress of baking is visible at all times without opening the door. The mica frame is easily removed to replace mica, extra bars on the mica frame retain the flat shelf when door is open. All oven plates are reinforced to prevent cracking. Oven rack is wire and non-breakable. Oven door is supported with ventilated spring that carries the door shut and open for ease in operation.

Fire Box

Extra heavy and reinforced cast iron linings with the National duplex grate for coal, same grate reversed for wood. This grate is adapted for either hard coal or soft coal. Porcupine fire back (guaranteed twenty-five years).

Damper

Plunger damper for direct draft operates on outside of the body and can never warp. This is the only damper required, whether used with or without reservoir.

Reservoir

Made of all copper, tinned inside. Heats by contact, i. e., the entire front of the reservoir lays close against the back of the range and absorbs the heat continually. There is no opening into the range back and requires no reservoir damper, therefore this system can not interfere with perfect baking. Has cast ends, cast top and japanned cover. The back of boiler is covered with an extra sheet of blue steel. Can be attached to square top range by removing the back shelf only. A special fastening device allows the reservoir to be bolted to the body permanently and is sufficiently strong so that the range may be carried by the reservoir. Reservoir capacity 8616 is 9 gallons; 8618-9618 is 10 gallons; 8620-9620 is 11 gallons.

Water Heater

Arranged for two-pipe water front coil or two-pipe water back coil. Our system of water back coil heats more water and does not interfere with baking.

High Closet

Made of blue polished steel, highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings

Oven door handle, name plate, fire door and ash door handles, front top edge, towel rod, shaker, and cover lifter.

Classic National

CAST RANGE

Straight End with Daylight Oven Door

FOR HARD COAL, SOFT COAL OR WOOD

	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
	8616	Four 8, Two 6 inch	16x17x11	27x35	312	**$47.25**	221268	Cherubim
Square with	**8618**	Six 8 inch	18x19x11¾	29x37	353	**51.75**	223290	Cherup
Porcelain	**9618**	Four 9, Two 6 inch	18x19x11¾	29x37	356	**52.75**	223746	Chess
Balustrade	**8620**	Six 8 inch	20x21x12½	31x39	388	**56.75**	225544	Chestnut
	9620	Four 9, Two 8 inch	20x21x12½	31x39	391	**57.75**	225992	Chevalier
	8616	Four 8, Two 6 inch	16x17x11	27x42	365	**$62.00**	227906	Cheveril
Reservoir	**8618**	Six 8 inch	18x19x11¾	29x44	406	**66.50**	229932	Chicane
with Porcelain	**9618**	Four 9, Two 6 inch	18x19x11¾	29x44	409	**67.50**	230380	Chicory
Balustrade	**8620**	Six 8 inch	20x21x12½	31x46	441	**71.50**	232184	Chide
	9620	Four 9, Two 8 inch	20x21x12½	31x46	444	**72.50**	232638	Chiefly
	8616	Four 8, Two 6 inch	16x17x11	27x35	370	**$58.75**	226448	Chilly
Square	**8618**	Six 8 inch	18x19x11¾	29x37	411	**63.25**	228464	Chime
with Steel	**9618**	Four 9, Two 6 inch	18x19x11¾	29x37	414	**64.25**	228916	Chimery
High Closet	**8620**	Six 8 inch	20x21x12½	31x39	446	**68.25**	230710	China
	9620	Four 9, Two 8 inch	20x21x12½	31x39	449	**69.25**	231164	Chintz
	8616	Four 8, Two 6 inch	16x17x11	27x42	423	**$73.50**	233080	Chirping
Reservoir	**8618**	Six 8 inch	18x19x11¾	29x44	464	**78.00**	235102	Chirrup
with Steel	**9618**	Four 9, Two 6 inch	18x19x11¾	29x44	467	**79.00**	235556	Chisel
High Closet	**8620**	Six 8 inch	20x21x12½	31x46	499	**83.00**	237354	Chitchat
	9620	Four 9, Two 8 inch	20x21x12½	31x46	502	**84.00**	237808	Chivalrous

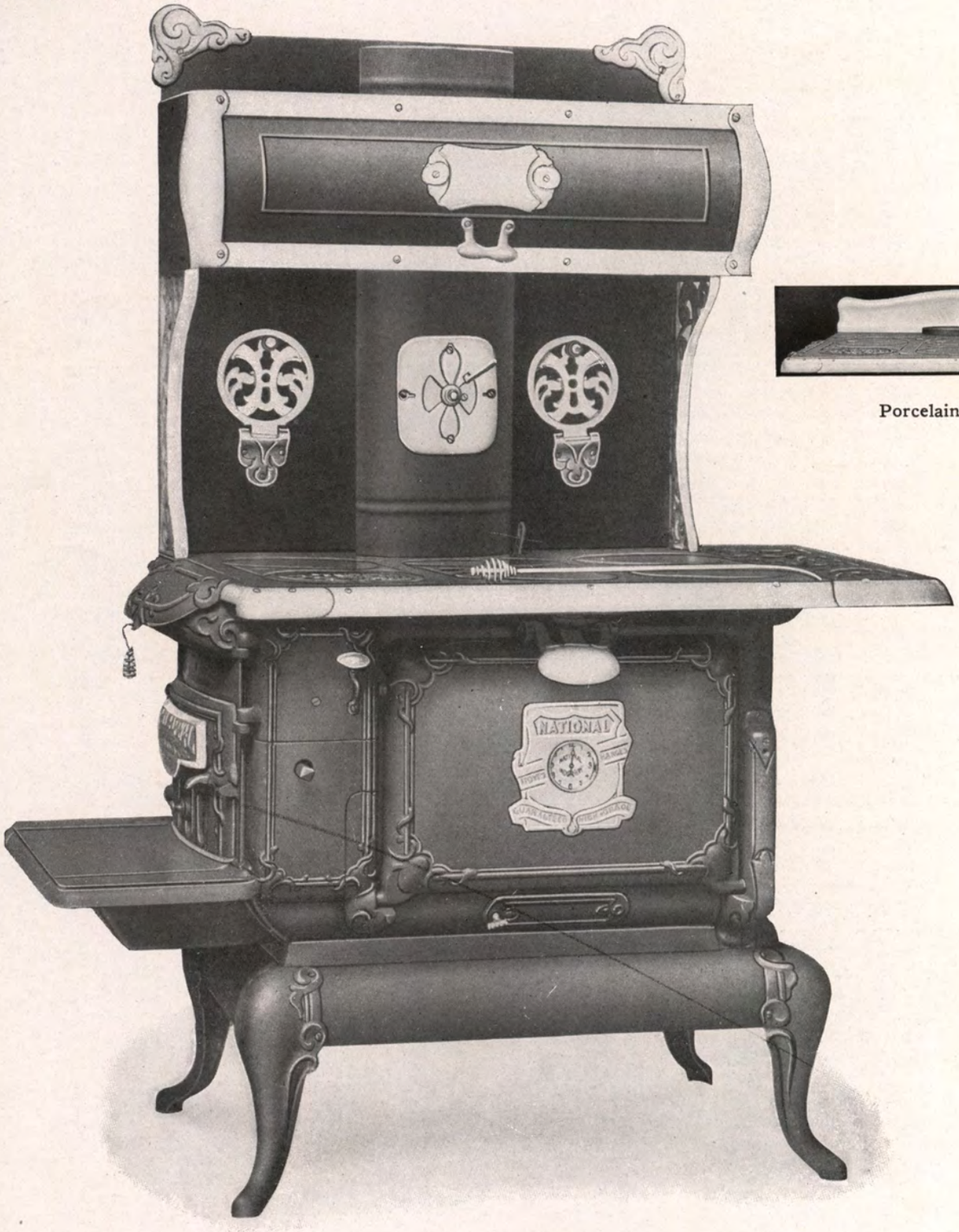
Water Front Coil fitted in Range, Fig. 23, extra	**$ 4.75**	22144	Wily
Water Front Coil separate from Range, extra	**6.00**	22702	Wince
Two-Pipe Water Back Coil, Fig. 26, extra	**2.25**	21028	Wattle
Nickel Legs and Base, as shown on Kitchen National, extra	**3.25**	21464	Wrest
If wanted without Balustrade, deduct	**2.25**	21024	Whig
Copper Reservoir ordered separate from Range, extra	**15.50**	26986	Weed

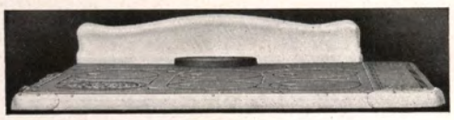
*Top surface measurement include Back Top Shelf on Square Ranges.

Water Heaters described on pages 14-15.

For Gas Attachment, see page 63.

Excelsior Stove & Manufacturing Company





Porcelain Balustrade

Cast Range

Dorian National

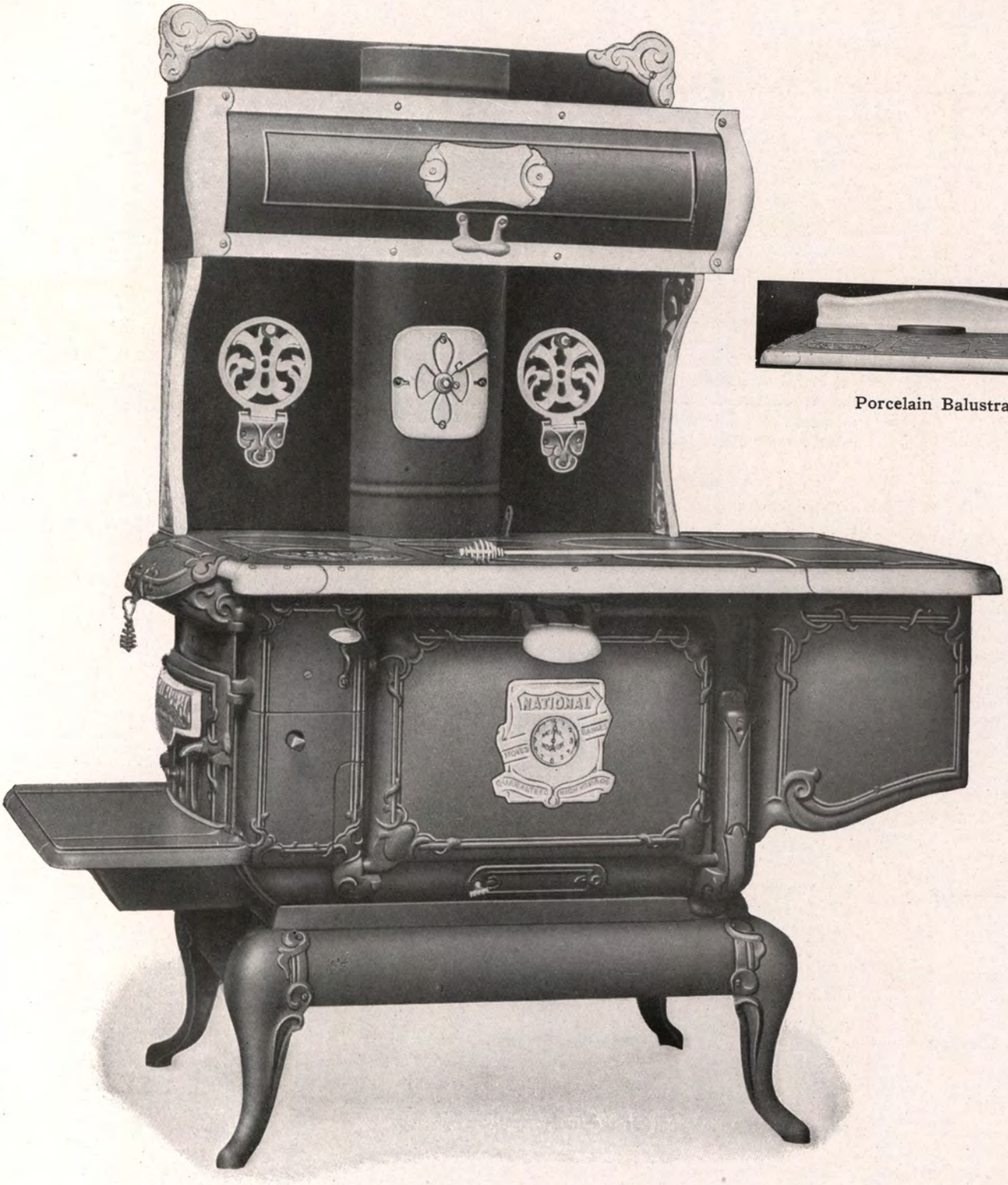
For Hard Coal, Soft Coal or Wood

SQUARE WITH STEEL HIGH CLOSET

Description and Price, Pages 86-87

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces



Cast Range

Porcelain Balustrade

Dorian National

For Hard Coal, Soft Coal or Wood

WITH RESERVOIR AND STEEL HIGH CLOSET

Description and Price, Pages 86-87

THE FIRE BACK IN THIS RANGE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Dorian National

CAST RANGE

With Drop Oven Door

FOR HARD COAL, SOFT COAL OR WOOD

Construction — A first class all cast iron range, modeled in colonial design, which is clean and easily kept clean. It is mounted without rods. The National system of mounting is used in these ranges, consisting of lugs and bolts, which allows free expansion and contraction of all parts of the range and thoroughly prevents fire cracking of all castings. Sheet flue system equalizes the heat to all parts of the oven. All flues are extra large, adaptable to the use of soft coal or wood. Top cut into four sections, heavy ribbed covers and centers, substantial center rest, draw out hearth slide accelerates the draft; the hearth slide also swings clear of the ash pit, permitting easy removal of the large sheet steel ash pan. Mounted on never-break steel base. One simmering cover furnished with each range.

Oven — Large well shaped oven. The 18-inch size accommodates four 9-inch pie plates, fitted with non-breakable wire oven rack. The top oven plate is convexed, making it extra strong. It is also coated on the upper surface with cement to protect against the direct action of the fire. All oven plates are provided with flanges on all edges to protect against fire cracking. Oven door is steel lined and supported with ventilated spring that carries the door shut and open for ease in operation.

Fire Box — Oval fire box with heavy sectional cast iron linings fitted with Duplex grate for coal; same grate reversed makes a perfect wood grate. The fire back is our National porcupine construction that makes quick baking qualities and is guaranteed twenty-five years.

Reservoir — Is made of Armco-ingot iron, galvanized or copper as desired. It heats the water by contact to the back of range. There is no extra damper required to heat the water, nor does it connect to any opening in the range; therefore this system of reservoir can not possibly interfere with the baking of the oven. Reservoir covers are japanned and ornamented. The contact reservoir is made portable, easily attached to a square range. A special fastening device allows the reservoir to be bolted to the body permanently, and is sufficiently strong that the range may be carried by the reservoir. Reservoir capacity 8618 is 8 gallons; 8620-9620 is 9 gallons.

Dampers — Plunger damper operates through top of range; the damper rod and blade is made adjustable to remove without taking range apart. Slide damper in front door and slide draft space in hearth slide provide easy draft to range.

Water Heater — Arranged for two-pipe water back coil, our system of water coil heats most water and does not interfere with the baking.

Thermometer — Furnished with all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

High Closet — Made of blue polished steel, highly nickel trimmed and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door panel and handle, front door panel, front top edge, towel rod, cover lifter and shaker and all edges, brackets, jambs, teapot shelves, pipe damper, closet panel and handle, also balustrade corners on high closet.

Dorian National

CAST RANGE

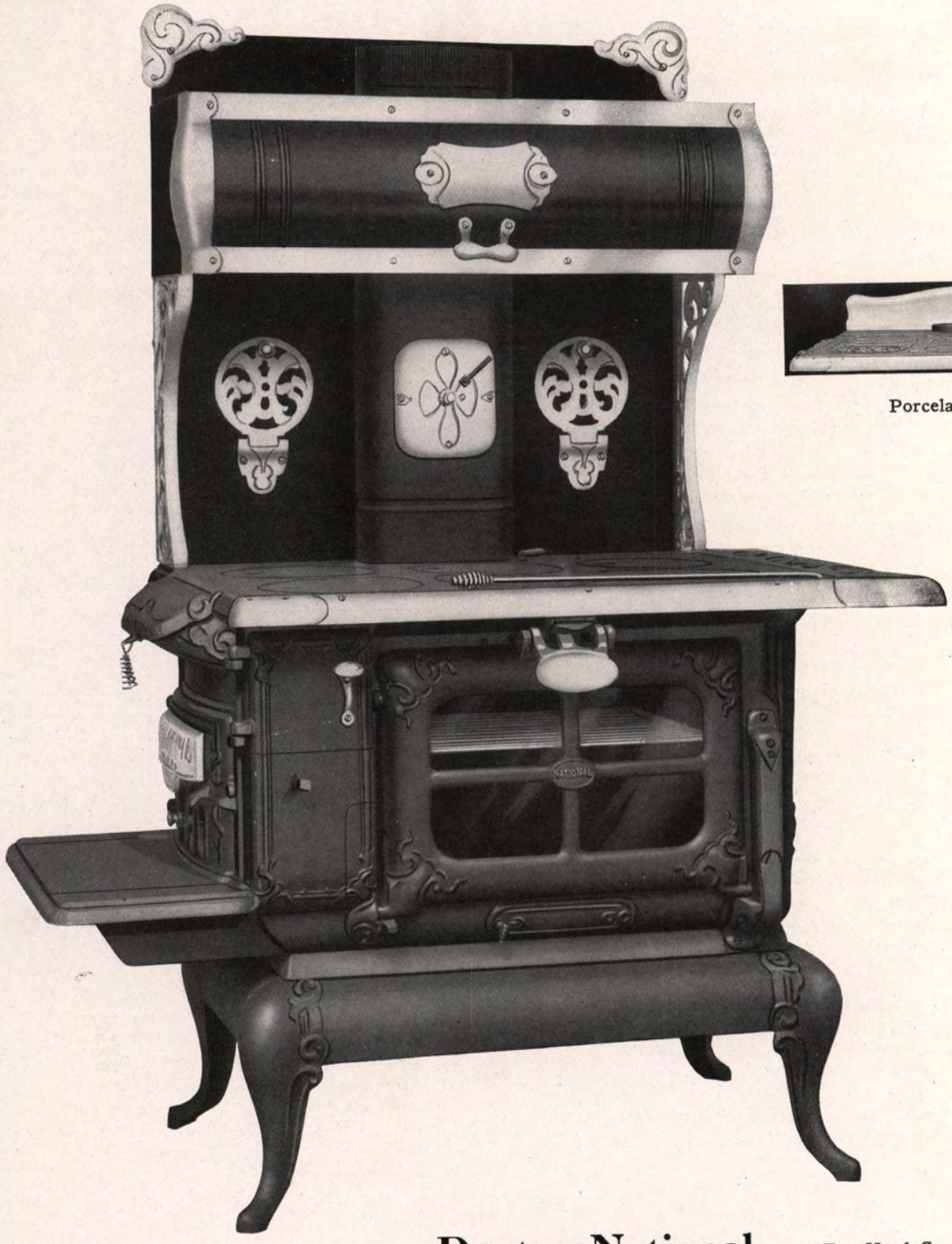
FOR HARD COAL, SOFT COAL OR WOOD

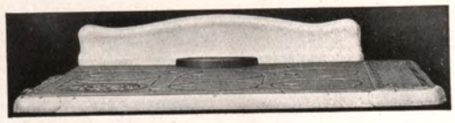
	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
Square with Porcelain Balustrade	8618	Four 8, Two 6 inch	18x18x11½	26½x35	295	$42.50	319139	Chaise
	8620	Six 8 inch	20x20x12	27½x37	327	47.00	321159	Chalk
	9620	Four 9, Two 6 inch	20x20x12	27½x37	330	48.00	321605	Chamfer
Galvanized Reservoir with Porcelain Balustrade	8618	Four 8, Two 6 inch	18x18x11½	26½x40	335	$51.25	323063	Champ
	8620	Six 8 inch	20x20x12	27½x42	367	55.75	325095	Chance
	9620	Four 9, Two 6 inch	20x20x12	27½x42	370	56.75	325549	Chandler
Copper Reservoir with Porcelain Balustrade	8618	Four 8, Two 6 inch	18x18x11½	26½x40	335	$55.25	324869	Chary
	8620	Six 8 inch	20x20x12	27½x42	367	59.75	326895	Chase
	9620	Four 9, Two 6 inch	20x20x12	27½x42	370	60.75	327343	Chat
Square with Steel High Closet	8618	Four 8, Two 6 inch	18x18x11½	26½x35	343	$51.50	323185	Charger
	8620	Six 8 inch	20x20x12	27½x37	375	56.00	325209	Chariot
	9620	Four 9, Two 6 inch	20x20x12	27½x37	378	57.00	325653	Charnel
Galvanized Reservoir with Steel High Closet	8618	Four 8, Two 6 inch	18x18x11½	26½x40	383	$60.25	327117	Charred
	8620	Six 8 inch	20x20x12	27½x42	413	64.75	329145	Charter
	9620	Four 9, Two 6 inch	20x20x12	27½x42	416	65.75	329597	Chartist
Copper Reservoir with Steel High Closet	8618	Four 8, Two 6 inch	18x18x11½	26½x40	383	$64.25	328919	Chemical
	8620	Six 8 inch	20x20x12	27½x42	413	68.75	330947	Chemist
	9620	Four 9, Two 6 inch	20x20x12	27½x42	416	69.75	331395	Cherish
Two-Pipe Water Back Coil, Fig. 26, extra						$ 2.25	31023	Wattle
Galvanized Reservoir ordered separate from Range, extra						9.50	34287	Web
Copper Reservoir ordered separate from Range, extra						13.50	36085	Weed
Black Legs and 3 Nickel Base Strips, extra						2.25	31025	Wrest
If wanted with Cast Base Strips instead of Steel, extra						1.00	3459	Whisper
If wanted without Balustrade, deduct						2.25	31029	Whig

*Top surface measurements include Back Top Shelf on Square Ranges.

Water Heaters described on pages 14-15.

Excelsior Stove & Manufacturing Company





Porcelain Balustrade

Cast Range

Dexter National

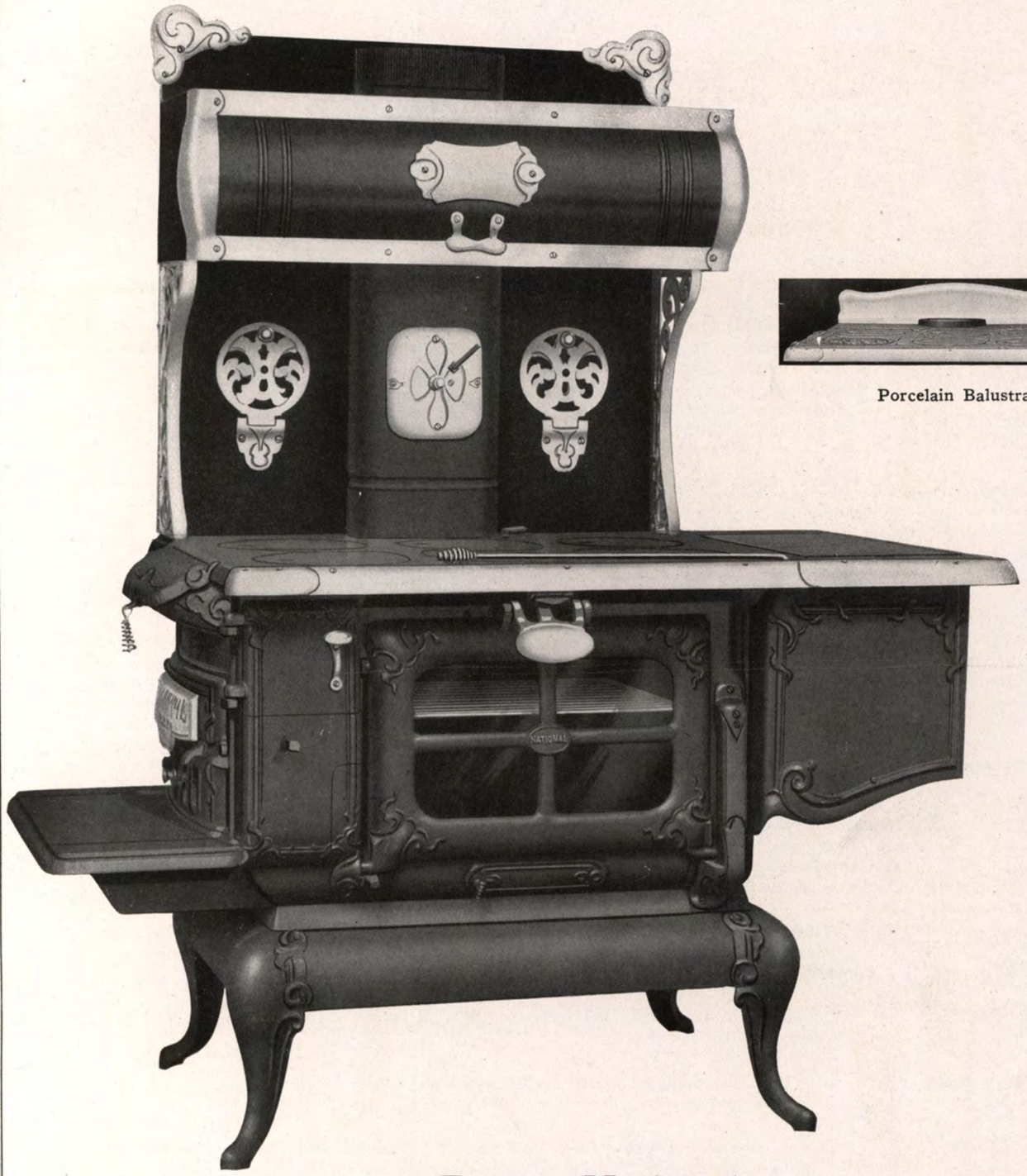
For Hard Coal, Soft Coal or Wood

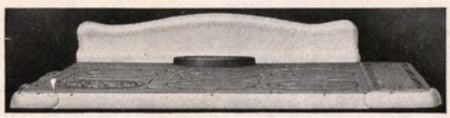
SQUARE WITH STEEL HIGH CLOSET

Description and Price, Pages 90-91

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces





Porcelain Balustrade

Cast Range

Dexter National

For Hard Coal, Soft Coal or Wood

WITH RESERVOIR AND STEEL HIGH CLOSET

Description and Price, Pages 90-91

THE FIRE BACK IN THIS RANGE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Dexter National

CAST RANGE

With Daylight Oven Door

FOR HARD COAL, SOFT COAL OR WOOD

Construction — A first class cast iron range, modeled in colonial design, which is clean and easily kept clean. It is mounted without rods. The National system of mounting is used in these ranges, consisting of lugs and bolts, which allows free expansion and contraction of all parts of the range and thoroughly prevents fire cracking of all castings. Sheet flue system equalizes the heat to all parts of the oven. All flues are extra large, adaptable to the use of soft coal or wood. Top cut into four sections, heavy ribbed covers and centers, substantial center rest, draw out hearth slide accelerates the draft; the hearth slide also swings clear of the ash pit, permitting easy removal of the large sheet steel ash pan. Mounted on never-break steel base. One simmering cover furnished with each range.

Daylight Oven — Large well shaped oven. The oven door contains four sections of mica, which admit daylight into the oven; the progress of baking is visible at all times, without opening the door. The mica frame is easily removed to replace mica, extra bars on the mica frame retain the flat shelf when door is open. The 18-inch size accommodates four 9-inch pie plates, fitted with non-breakable wire oven rack. The top oven plate is convexed, making it extra strong. It is also coated on the upper surface with cement to protect against the direct action of the fire. All oven plates are provided with flanges on all edges to protect against fire cracking. Oven door is supported with ventilated spring that carries the door shut and open for ease in operation.

Fire Box — Oval fire box with heavy sectional cast iron linings fitted with duplex grate for coal; same grate reversed makes a perfect wood grate. The fire back is our National porcupine construction that makes quick baking qualities and is guaranteed twenty-five years.

Reservoir — Is made of Armco-ingot iron, galvanized or copper as desired. It heats the water by contact to the back of range. There is no extra damper required to heat the water, nor does it connect to any opening in the range; therefore this system of reservoir can not possibly interfere with the baking of the oven. Reservoir covers are japanned and ornamented. The contact reservoir is made portable, easily attached to a square range. A special fastening device allows the reservoir to be bolted to the body permanently, and is sufficiently strong that the range may be carried by the reservoir. Reservoir capacity 8618 is 8 gallons; 8620-9620 is 9 gallons.

Dampers — Plunger damper operates through top of range; the damper rod and blade is made adjustable to remove without taking range apart. Slide damper in front door and slide draft space in hearth slide provide easy draft to range.

Water Heater — Arranged for two-pipe water back coil, our system of water heats most water and does not interfere with the baking.

High Closet — Made of blue polished steel, highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door handle, front door panel, front top edge, towel rod, cover lifter and shaker, and all edges, brackets, jambs, teapot shelves, pipe damper, closet panel and handle, also balustrade corners on high closet.

Dexter National

CAST RANGE

With Daylight Oven Door

FOR HARD COAL, SOFT COAL OR WOOD

	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
Square	8618	Four 8, Two 6 inch	18x18x11½	26½x35	295	$42.50	419138	Chivalry
with Porcelain	8620	Six 8 inch	20x20x12	27½x37	327	47.00	421154	Chives
Balustrade	9620	Four 9, Two 6 inch	20x20x12	27½x37	330	48.00	421602	Chloral
Galvanized Reservoir	8618	Four 8, Two 6 inch	18x18x11½	26½x40	335	$51.25	423064	Choice
with Porcelain	8620	Six 8 inch	20x20x12	27½x42	367	55.75	425096	Choir
Balustrade	9620	Four 9, Two 6 inch	20x20x12	27½x42	370	56.75	425548	Choke
Copper Reservoir	8618	Four 8, Two 6 inch	18x18x11½	26½x40	335	$55.25	424860	Choice
with Porcelain	8620	Six 8 inch	20x20x12	27½x42	367	59.75	426896	Choir
Balustrade	9620	Four 9, Two 6 inch	20x20x12	27½x42	370	60.75	427348	Choke
Square	8618	Four 8, Two 6 inch	18x18x11½	26½x35	343	$51.50	423184	Chrysalis
with Steel	8620	Six 8 inch	20x20x12	27½x37	375	56.00	425202	Chrysolite
High Closet	9620	Four 9, Two 6 inch	20x20x12	27½x37	378	57.00	425650	Chubby
Galvanized Reservoir	8618	Four 8, Two 6 inch	18x18x11½	26½x40	383	$60.25	427112	Chord
with Steel	8620	Six 8 inch	20x20x12	27½x42	413	64.75	429146	Chorea
High Closet	9620	Four 9, Two 6 inch	20x20x12	27½x42	416	65.75	429594	Chorist
Copper Reservoir	8618	Four 8, Two 6 inch	18x18x11½	26½x40	383	$64.25	428918	Chuck
with Steel	8620	Six 8 inch	20x20x12	27½x42	413	68.75	430940	Chuffy
High Closet	9620	Four 9, Two 6 inch	20x20x12	27½x42	416	69.75	431396	Chump

Two-Pipe Water Back Coil, Fig. 26, extra	$2.25	41024	Wattle
Galvanized Reservoir ordered separate from Range, extra	9.50	44280	Web
Copper Reservoir ordered separate from Range, extra	13.50	46082	Weed
Black Legs and 3 Nickel Base Strips, extra	2.25	41028	Wrest
If wanted with Cast Base Strips instead of Steel, extra	1.00	4454	Whisper
If wanted without Balustrade, deduct	2.25	41026	Whig

*Top surface measurements include Back Top Shelf on Square Ranges.

Water Heaters described on pages 14-15.

Excelsior Stove & Manufacturing Company

Porcelain Balustrade

Cast Range

Guide National

For Hard Coal, Soft Coal or Wood

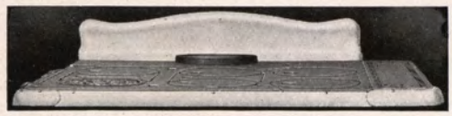
SQUARE WITH STEEL HIGH CLOSET

Description and Price, Pages 94-95

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces

Cast Range



Porcelain Balustrade

Guide National

For Hard Coal, Soft Coal or Wood

WITH RESERVOIR AND STEEL HIGH CLOSET

Description and Price, Pages 94-95

THE FIRE BACK IN THIS RANGE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Guide National

CAST RANGE

With Swinging Oven Door

FOR HARD COAL, SOFT COAL OR WOOD

Construction — A medium priced all-cast range, made from old-fashioned cast iron, that stands thirty years of service. Modeled in Colonial design, which is easily cleaned, polished and kept clean. Mounted without rods, we use lugs and bolts throughout the range, therefore no coming apart or leaking ashes into the oven. Two-flue system that equalizes the heat entirely around the oven. All flues are extra large, adaptable to the use of soft coal or wood. Top is cut in four sections, heavy covers and centers, substantial center rest, draw-out hearth slide to admit draft; the hearth slide also swings clear of the ash pit, permitting easy removal of the large sheet steel ash pan. Mounted on never-break steel base. One simmering cover furnished with each range.

Oven — Large, well shaped oven. The 18 size accommodates four 9-inch pie plates, fitted with non-breakable wire oven rack. The top oven plate is convexed, making it extra strong. It is also coated on upper surface with cement to protect against the direct action of the fire. All the oven plates are flanged to prevent cracking. Oven door is aluminine lined.

Fire Box — Oval fire box with heavy sectional cast iron linings, fitted with the National system of duplex grates, and the wonderful porcupine fire back (guaranteed twenty-five years).

Reservoir — Is made of Armco-ingot iron, galvanized or copper as desired, and heats by contact to the back of range. There is no extra damper required to heat the water, nor does it connect to any opening in the range, therefore this system of reservoir can not possibly interfere with the baking of the oven. Reservoir covers are japanned and ornamented. The contact reservoir is made portable, easily attached to square range. A special fastening device allows the reservoir to be bolted to the body permanently, and is sufficiently strong so that the range may be carried by the reservoir. Reservoir capacity 8618 is 8 gallons; 8620-9620 is 9 gallons.

Damper — Pull-up damper operates through the side of range. Slide damper in front door and slide draft in hearth slide provides easy draft to the range.

Water Heater — Arranged for two-pipe water back coil, our system of water coil heats most water and does not interfere with the baking.

High Closet — Made of blue polished steel, highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door panel, front door panel, outside oven shelf, front top edge, ash guard, and kicker, towel rod, cover lifter and shaker, and all edges, brackets, jambs, teapot shelves, pipe damper, name plate, door handle and balustrade corners on high closet.

National Stoves, Ranges and Furnaces

Guide National

CAST RANGE

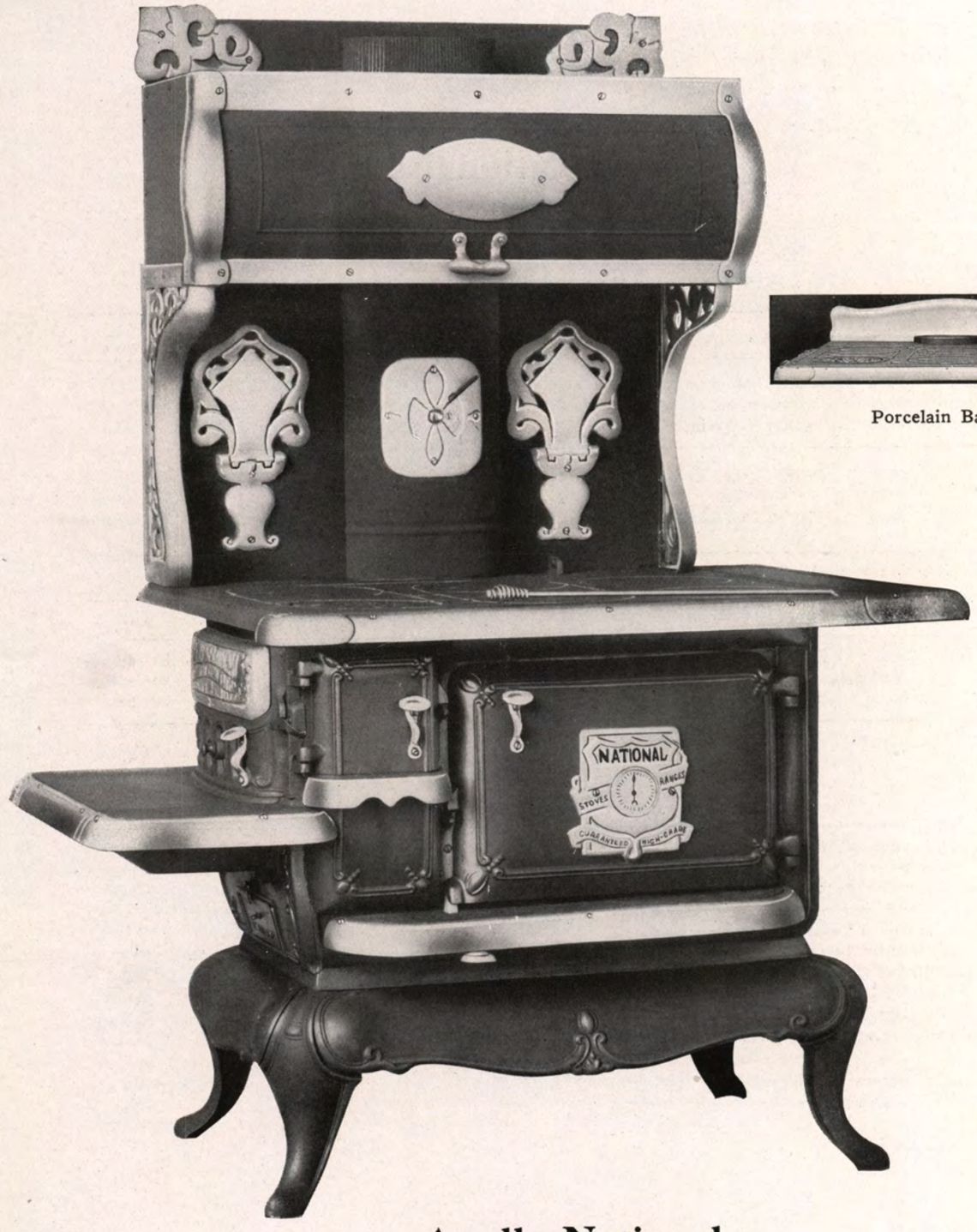
FOR HARD COAL, SOFT COAL OR WOOD

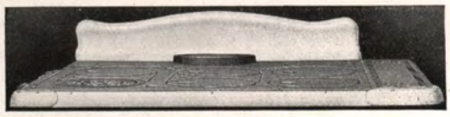
	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
Square with Porcelain Balustrade	8618	Four 8, Two 6 inch	18x18x11½	26½x35	267	$37.50	516885	Cease
	8620	Six 8 inch	20x20x12	27½x37	299	42.00	518907	Cedar
	9620	Four 9, Two 6 inch	20x20x12	27½x37	302	43.00	519353	Cede
Galvanized Reservoir with Porcelain Balustrade	8618	Four 8, Two 6 inch	18x18x11½	26½x40	307	$46.25	520819	Cedrine
	8620	Six 8 inch	20x20x12	27½x42	339	50.75	522845	Ceiling
	9620	Four 9, Two 6 inch	20x20x12	27½x42	342	51.75	523297	Celature
Copper Reservoir with Porcelain Balustrade	8618	Four 8, Two 6 inch	18x18x11½	26½x40	307	$50.25	522617	Ceres
	8620	Six 8 inch	20x20x12	27½x42	339	54.75	524643	Certain
	9620	Four 9, Two 6 inch	20x20x12	27½x42	342	55.75	525095	Certify
Square with Steel High Closet	8618	Four 8, Two 6 inch	18x18x11½	26½x35	310	$46.50	520939	Caption
	8620	Six 8 inch	20x20x12	27½x37	342	51.00	522957	Captive
	9620	Four 9, Two 6 inch	20x20x12	27½x37	345	52.00	523405	Carat
Galvanized Reservoir with Steel High Closet	8618	Four 8, Two 6 inch	18x18x11½	26½x40	352	$55.25	524863	Captor
	8620	Six 8 inch	20x20x12	27½x42	382	59.75	526897	Capture
	9620	Four 9, Two 6 inch	20x20x12	27½x42	385	60.75	527345	Caravan
Copper Reservoir with Steel High Closet	8618	Four 8, Two 6 inch	18x18x11½	26½x40	352	$59.25	526665	Chaffy
	8620	Six 8 inch	20x20x12	27½x42	382	63.75	528693	Chagrin
	9620	Four 9, Two 6 inch	20x20x12	27½x42	385	64.75	529147	Chain
Two-Pipe Water Back Coil, Fig. 26, extra						$ 2.25	51025	Wattle
Galvanized Reservoir ordered separate from Range, extra						9.50	54283	Web
Copper Reservoir ordered separate from Range, extra						13.50	56083	Weed
Black Legs and 3 Nickel Base Strips, extra						2.25	51027	Wrest
If wanted with Cast Base Strips instead of Steel, extra						1.00	5457	Whisper
If wanted without Balustrade, deduct						2.25	51029	Whig

*Top surface measurements include Back Top Shelf on Square Ranges.

Water Heaters described on pages 14-15.

Excelsior Stove & Manufacturing Company





Porcelain Balustrade

Cast Range

Apollo National

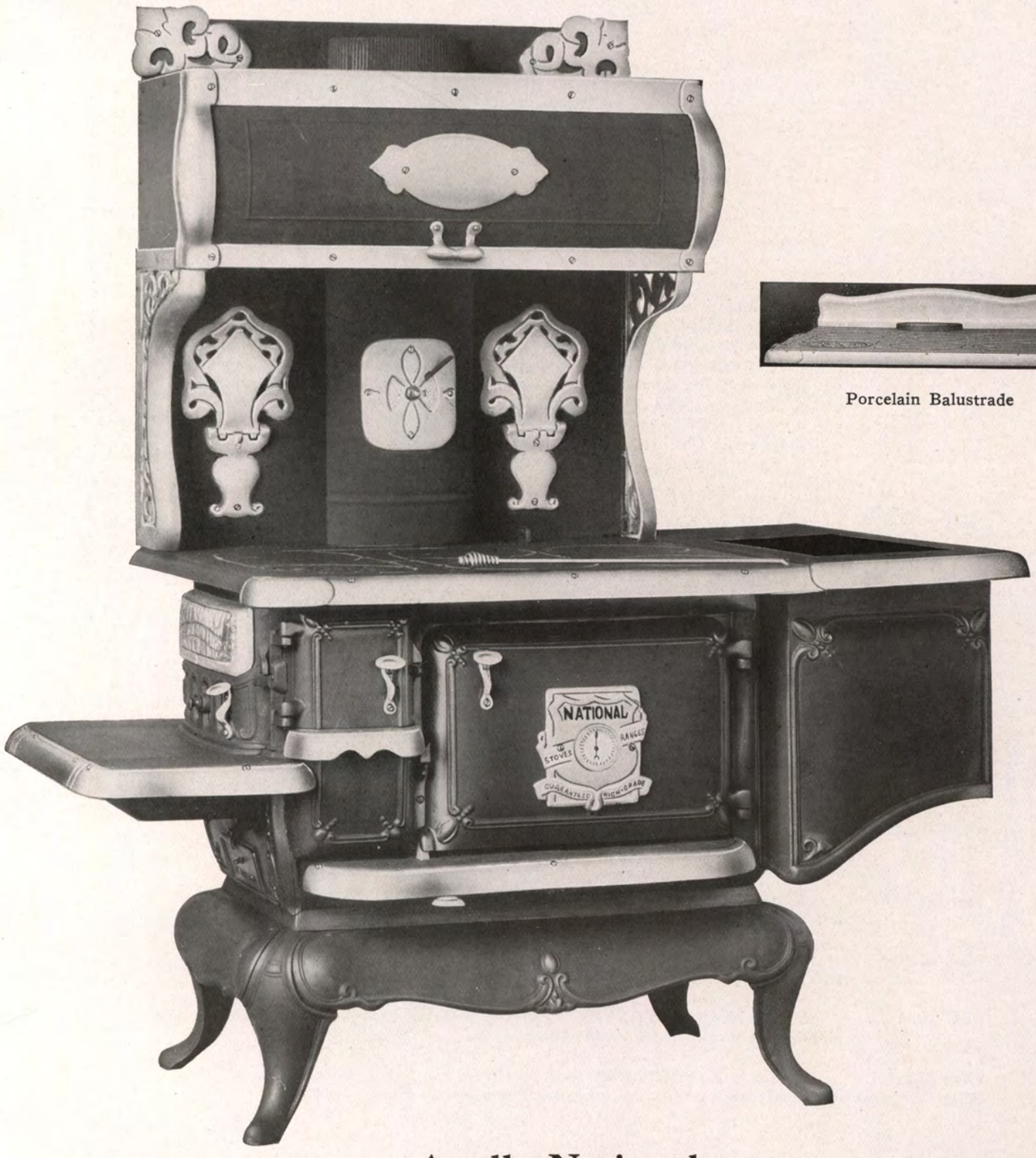
SQUARE WITH STEEL HIGH CLOSET

Description and Price, Pages 98-99

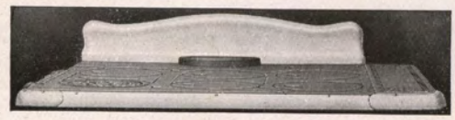
For Wood Only

For Gas Attachment to Fit this Range, See Page 63

National Stoves, Ranges and Furnaces



Cast Range



Porcelain Balustrade

Apollo National

For Wood Only

WITH RESERVOIR AND STEEL HIGH CLOSET

Description and Price, Pages 98-99

THE FIRE BACK IN THIS RANGE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Apollo National

CAST RANGE

With Swinging Oven Door

FOR WOOD ONLY

Construction — A range of high-class construction, made of all cast iron, with all the advantages of steel ranges. The design is plain and handsome, easily cleaned and kept clean, with enough nickel trimmings to produce a rich and pleasing effect. These ranges contain all our exclusive National features that save fuel and make quick cookers and fine bakers. Mounted with bolts throughout, which allows free expansion and contraction of all parts, and prevents fire cracking of oven plates. Large sheet steel ash pan, draw-out and drop hearth slide, cemented oven top, cut long centers, heavy covers, substantial center rest, top cut in four sections, sheet flue system with extra large flues. One simmering cover furnished with each range.

We direct your special attention to the base-raising feature, a convenience when sweeping under the range.

Oven — Large, square, high and roomy, with all oven plates reinforced to prevent cracking. Oven rack is wire and non-breakable. Oven doors aluminine lined.

Fire Box — Is extra large, accommodating large size wood. Swinging fender, a convenience in removing ashes. Solid hearth, can never warp or leak ashes into oven. Porcupine fire back (guaranteed twenty-five years).

Damper — Plunger damper for direct draft operates on outside of the body and can never warp. This is the only damper required, whether used with or without reservoir.

Reservoir — Made of all copper, tinned inside. Heats by contact, i. e., the entire front of the reservoir lays close against the back of the range and absorbs the heat continually. There is no opening into the range back and requires no reservoir damper, therefore this system can not interfere with perfect baking. Has cast top, cast ends and japanned cover. The back of boiler is covered with an extra sheet of blue steel. Can be attached to square top range by removing the back shelf only. A special fastening device allows the reservoir to be bolted to the body permanently, and is sufficiently strong so that the range may be carried by the reservoir. Reservoir capacity 8618 is 9 gallons; 8620-9620 is 10 gallons; 8622-9622 is 11 gallons.

Thermometer — Furnished with all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

Water Heater — Arranged for two-pipe water back coil and four-pipe front water coil. Our system of water back coil heats most water, and does not interfere with baking.

High Closet — Made of blue polished steel, highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door panel and handle, front door panel and handle, fire door handle, hearth edge, oven shelf edge, front top edge, ash guard. kicker, towel rod and cover lifter.

Apollo National

CAST RANGE

With Swinging Oven Door

FOR WOOD ONLY

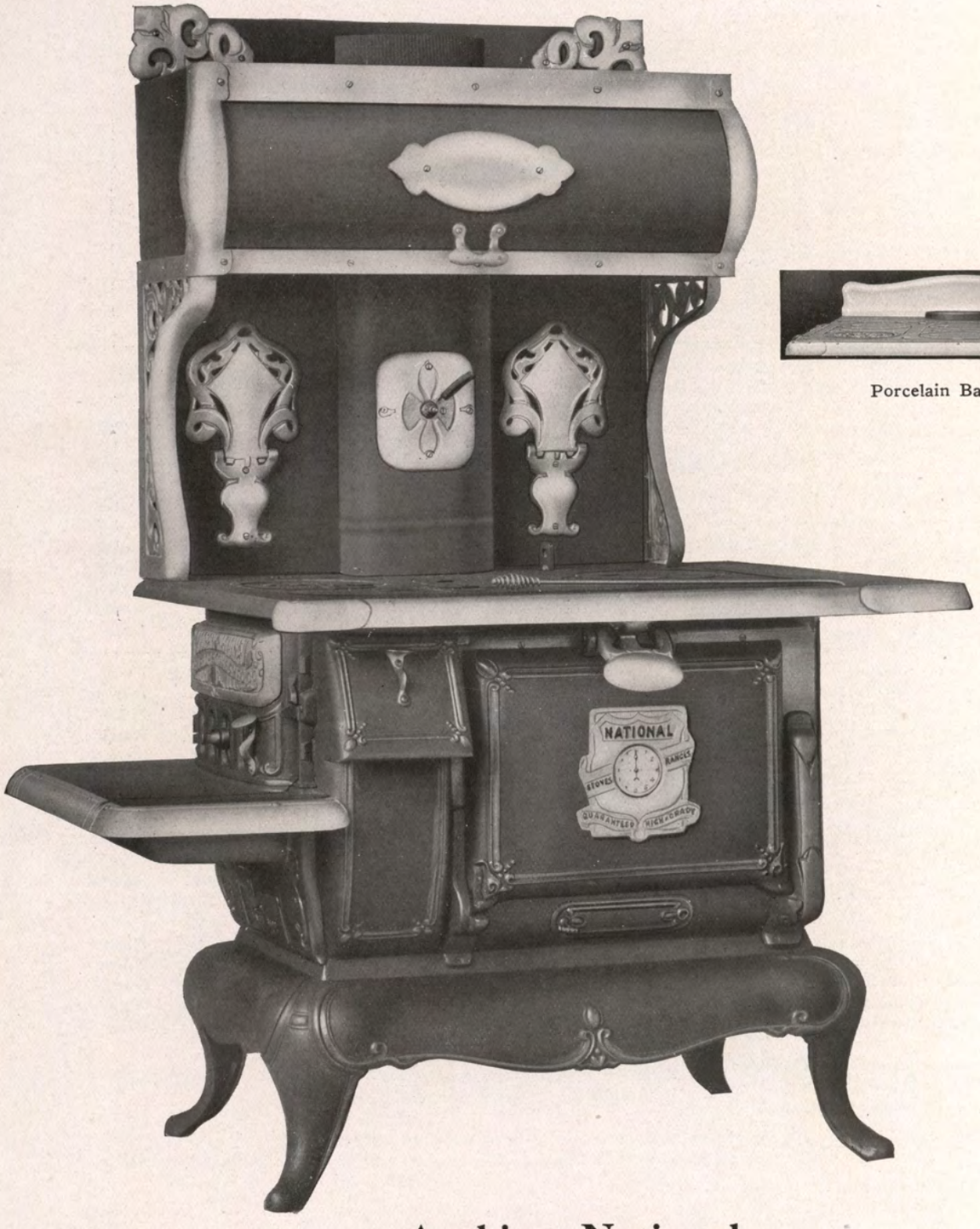
	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
Square with Porcelain Balustrade	8618	Four 8, Two 6 inch	18x17x11	27x35	305	$47.25	621262	Ferole
	8620	Six 8 inch	20x19x11¾	29x37	345	51.75	623296	Fervent
	9620	Four 9, Two 6 inch	20x19x11¾	29x37	348	52.75	623744	Fervid
	8622	Six 8 inch	22x21x12½	31x39	377	56.75	625548	Fervor
	9622	Four 9, Two 8 inch	22x21x12½	31x39	380	57.75	625990	Fescue
Reservoir with Porcelain Balustrade	8618	Four 8, Two 6 inch	18x17x11	27x42	358	$62.00	627906	Festal
	8620	Six 8 inch	20x19x11¾	29x44	398	66.50	629932	Fester
	9620	Four 9, Two 6 inch	20x19x11¾	29x44	401	67.50	630384	Festive
	8622	Six 8 inch	22x21x12½	31x46	430	71.50	632188	Festoon
	9622	Four 9, Two 8 inch	22x21x12½	31x46	433	72.50	632636	Fetch
Square with Steel High Closet	8618	Four 8, Two 6 inch	18x17x11	27x35	361	$58.75	626448	Fibula
	8620	Six 8 inch	20x19x11¾	29x37	403	63.25	628464	Fibrous
	9620	Four 9, Two 6 inch	20x19x11¾	29x37	406	64.25	628912	Fickle
	8622	Six 8 inch	22x21x12½	31x39	435	68.25	630716	Fictile
	9622	Four 9, Two 8 inch	22x21x12½	31x39	438	69.25	631164	Fiction
Reservoir with Steel High Closet	8618	Four 8, Two 6 inch	18x17x11	27x42	416	73.50	633086	Fictive
	8620	Six 8 inch	20x19x11¾	29x44	456	78.00	635104	Fictor
	9620	Four 9, Two 6 inch	20x19x11¾	29x44	459	79.00	635550	Fiddle
	8622	Six 8 inch	22x21x12½	31x46	488	83.00	637352	Figet
	9622	Four 9, Two 8 inch	22x21x12½	31x46	491	84.00	637806	Fiducial

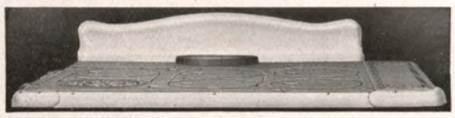
Four-Pipe Front Water Coil (Fig. 26, made double), extra	$ 4.75	62148	Whist
Two-Pipe Back Water Coil, Fig. 26, extra	2.25	61026	Wattle
Nickel Legs and base, as shown on Kitchen National, extra	3.25	61460	Wrest
If wanted without Balustrade, deduct	2.25	61024	Whig
Copper Reservoir ordered separate from Range, extra	15.50	66982	Weed

*Top surface measurements include Back Shelf on Square Ranges.

Water Coil described on pages 14-15.
For Gas Attachment, see page 63.

Excelsior Stove & Manufacturing Company





Porcelain Balustrade

Cast Range

Arabian National

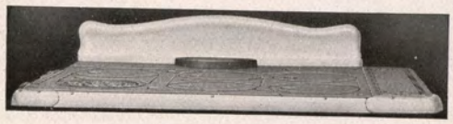
SQUARE WITH STEEL HIGH CLOSET

Description and Price, Pages 102-103

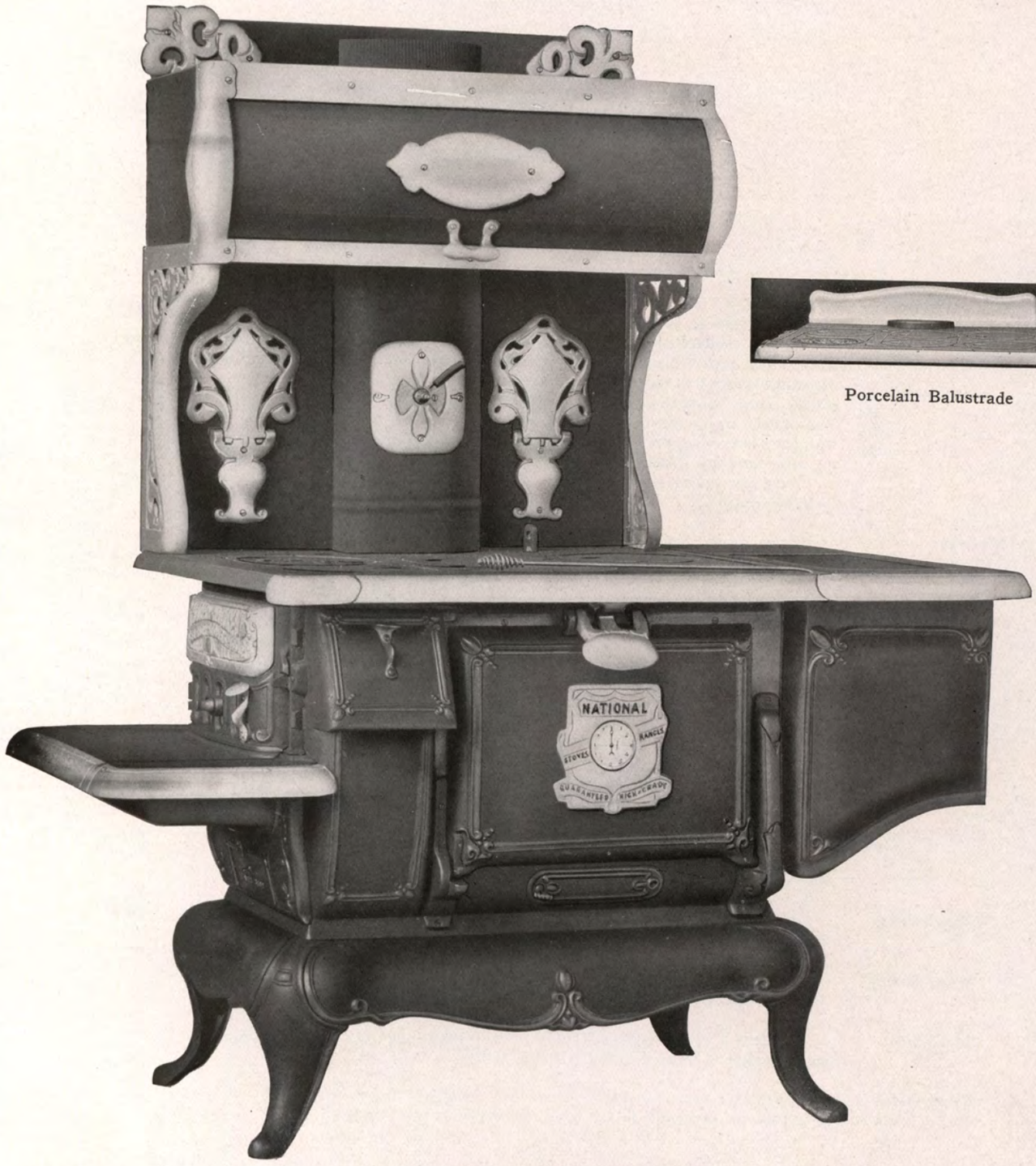
For Wood Only

For Gas Attachment to Fit this Range, See Page 63

National Stoves, Ranges and Furnaces



Porcelain Balustrade



Cast Range

Arabian National

WITH RESERVOIR AND STEEL HIGH CLOSET

Description and Price, Pages 102-103

THE FIRE BACK IN THIS RANGE LASTS FOREVER

For Wood Only

Excelsior Stove & Manufacturing Company

Arabian National

CAST RANGE

With Drop Oven Door

FOR WOOD ONLY

Construction — A range of high-class construction, made of all cast iron, with all the advantages of steel ranges. The design is plain and handsome, easily cleaned and kept clean, with enough nickel trimmings to produce a rich and pleasing effect. These ranges contain all our exclusive National features that save fuel and make quick cookers and fine bakers. Mounted with bolts throughout, which allows free expansion and contraction of all parts and prevents fire cracking of oven plates. Large sheet steel ash pan, draw-out and drop hearth slide, cemented oven top, cut long centers, heavy covers, substantial center rest, top cut in four sections, sheet flue system with extra large flues, drop pouch feed door for wood, spring balanced oven door. One simmering cover furnished with each range.

We direct your special attention to the base-raising feature, a convenience when sweeping under the range.

Oven — Large, square, high and roomy, with all oven plates reinforced to prevent cracking. Oven rack is wire and non-breakable. Oven doors lined with sheet steel.

Fire Box — Is extra large, accommodating large size wood. Swinging fender, a convenience in removing ashes. Solid hearth, can never warp or leak ashes into oven. Porcupine fire back (guaranteed twenty-five years).

Damper — Plunger damper for direct draft operates on outside of the body and can never warp. This is the only damper required, whether used with or without reservoir.

Reservoir — Made of all copper, tinned inside. Heats by contact, i. e., the entire front of the reservoir lays close against the back of the range and absorbs the heat continually. There is no opening into the range back and requires no reservoir damper, therefore this system can not interfere with perfect baking. Has cast ends, cast top and japanned cover. The back of boiler is covered with an extra sheet of blue steel. Can be attached to square top range by removing back shelf only. A special fastening device allows the reservoir to be bolted to the body permanently, and is suficiently strong so that the range may be carried by the reservoir. Reservoir capacity 8618 is 9 gallons; 8620-9620 is 10 gallons; 8622-9622 is 11 gallons.

Thermometer — Furnished with all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

Water Heater — Arranged for two-pipe water back coil and four-pipe front water coil. Our system of water back coil heats most water, and does not interfere with baking.

High Closet — Made of blue polished steel, highly nickel trimmed, and furnished with our patent regulating pipe damper, which controls the fire perfectly.

Triple Plated Nickel Trimmings — Oven door panel and handle, front door panel and handle, fire door handle, hearth edge, front top edge, ash guard, kicker, towel rod, shaker and cover lifter.

Arabian National

CAST RANGE

With Drop Oven Door

FOR WOOD ONLY

	Factory Number	Holes	Ovens	*Top Surface	Weight	List	Protection Number	Code Word
	8618	Four 8, Two 6 inch	18x17x11	27x35	305	$47.25	721265	Fealty
Square with	8620	Six 8 inch	20x19x11¾	29x37	345	51.75	723293	Fear
Porcelain	9620	Four 9, Two 6 inch	20x19x11¾	29x37	348	52.75	723749	Feast
Balustrade	8622	Six 8 inch	22x21x12½	31x39	377	56.75	725547	Febrile
	9622	Four 9, Two 8 inch	22x21x12½	31x39	380	57.75	725993	Fecula
	8618	Four 8, Two 6 inch	18x17x11	27x42	358	$62.00	727907	Feculant
Reservoir	8620	Six 8 inch	20x19x11¾	29x44	398	66.50	729935	Federate
with Porcelain	9620	Four 9, Two 6 inch	20x19x11¾	29x44	401	67.50	730389	Feeble
Balustrade	8622	Six 8 inch	22x21x12½	31x46	430	71.50	732185	Feed
	9622	Four 9, Two 8 inch	22x21x12½	31x46	433	72.50	732637	Feeling
	8618	Four 8, Two 6 inch	18x17x11	27x35	361	$58.75	726443	Ferial
Square	8620	Six 8 inch	20x19x11¾	29x37	403	63.25	728469	Ferine
with Steel	9620	Four 9, Two 6 inch	20x19x11¾	29x37	406	64.25	728917	Ferity
High Closet	8622	Six 8 inch	22x21x12½	31x39	435	68.25	730715	Ferment
	9622	Four 9, Two 8 inch	22x21x12½	31x39	438	69.25	731165	Ferocity
	8618	Four 8, Two 6 inch	18x17x11	27x42	416	$73.50	733089	Ferreous
Reservoir	8620	Six 8 inch	20x19x11¾	29x44	456	78.00	735105	Ferret
with Steel	9620	Four 9, Two 6 inch	20x19x11¾	29x44	459	79.00	735557	Ferruge
High Closet	8622	Six 8 inch	22x21x12½	31x46	488	83.00	737353	Ferry
	9622	Four 9, Two 8 inch	22x21x12½	31x46	491	84.00	737807	Fertile

Four-pipe Front Water Coil (Fig. 26, made double), extra	$ 4.75	72145	Whist
Two-pipe Back Water Coil, Fig. 26, extra	2.25	71023	Wattle
Nickel Legs and Base, as shown on Kitchen National, extra	3.25	71465	Wrest
If wanted without Balustrade, deduct	2.25	71029	Whig
Copper Reservoir ordered separate from Range, extra	15.50	76987	Weed

*Top surface measurements include Back Shelf on Square Ranges.

Water Heaters described on pages 14-15.

For Gas Attachment, see page 63.

Excelsior Stove & Manufacturing Company

Roman National

CAST COOK

FOR HARD COAL, SOFT COAL OR WOOD

Construction — A stove of high-class construction, made of all cast iron. The design is plain and handsome, easily cleaned and kept clean, with enough nickel trimmings to produce a rich and pleasing effect. These stoves contain all our exclusive National features that save fuel and make quick cookers and fine bakers. Mounted with bolts throughout, which allows free expansion and contraction of all parts, and prevents fire cracking of oven plates. Large sheet steel ash pan, draw-out and drop hearth slide, cemented oven top, cut long centers, heavy covers, substantial center rest, top cut in four sections, two-flue system with extra large flues. One simmering cover furnished with each stove.

We direct your special attention to the base-raising feature, a convenience when sweeping under the stove.

Oven — Large, square, high and roomy, with all oven plates reinforced to prevent cracking. Oven rack is wire and non-breakable. Oven doors aluminine lined.

Fire Box — Extra heavy and reinforced cast iron linings with the National duplex grate for coal, same grate reversed for wood. This grate is adapted for either hard coal or soft coal. Porcupine fire back (guaranteed twenty-five years).

Damper — Rolling damper for direct draft. This is the only damper required, whether used with or without reservoir.

Reservoir — Made of all copper, tinned inside. Heats by contact, i. e., the entire front of the reservoir lays close against the back of the stove and absorbs the heat continually. There is no opening into the stove back and requires no reservoir damper, therefore this system can not interfere with perfect baking. Has cast ends, cast top and japanned cover. The back of boiler is covered with an extra sheet of blue steel. Can be attached to square top stove by removing the back shelf only. A special fastening device allows the reservoir to be bolted to the body permanently, and is sufficiently strong so that the stove may be carried by the reservoir. Reservoir capacity 816 is 9 gallons; 818-918 is 10 gallons; 820-920 is 11 gallons.

Thermometer — Furnished with all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

Water Heater — Arranged for two-pipe water front coil.

Triple Plated Nickel Trimmings — Oven door panel and handles, front door panel and handle, fire door panel, hearth edge, oven shelf edge, front top edge, ash guard, kicker, towel rod, shaker and cover lifter.

National Stoves, Ranges and Furnaces

Apollo National

CAST COOK

FOR WOOD ONLY

Construction — A stove of high-class construction, made of all cast iron. The design is plain and handsome, easily cleaned and kept clean, with enough nickel trimmings to produce a rich and pleasing effect. These stoves contain all our exclusive National features that save fuel and make quick cookers and fine bakers. Mounted with bolts throughout, which allows free expansion and contraction of all parts, and prevents fire cracking of oven plates. Large sheet steel ash pan, draw-out and drop hearth slide, cemented oven top, cut long centers, heavy covers, substantial center rest, top cut in four sections, two-flue system with extra large flues. One simmering cover furnished with each stove.

We direct your special attention to the base-raising feature, a convenience when sweeping under the stove.

Oven — Large, square, high and roomy, with all oven plates reinforced to prevent cracking. Oven rack is wire and non-breakable. Oven doors aluminine lined.

Fire Box — Is extra large, accommodating large size wood. Swinging fender, a convenience in removing ashes. Solid hearth, can never warp or leak ashes into oven. Porcupine fire back (guaranteed twenty-five years).

Damper — Rolling damper for direct draft. Blade and handle made in two parts, easily replaced. This is the only damper required, whether used with or without reservoir.

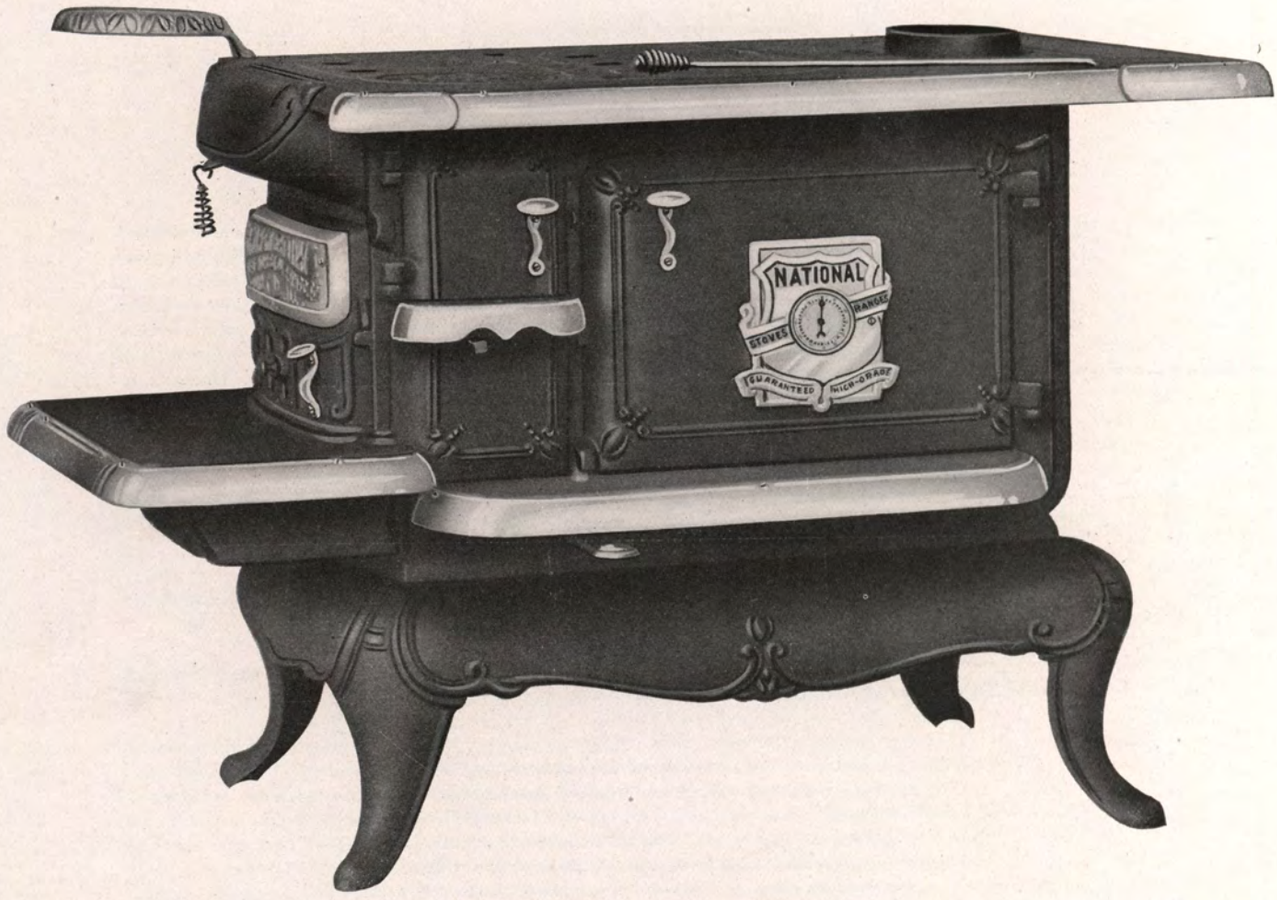
Reservoir — Made of all copper, tinned inside. Heats by contact, i. e., the entire front of the reservoir lays close against the back of the stove and absorbs the heat continually. There is no opening into the stove back and requires no reservoir damper, therefore this system can not interfere with perfect baking. Has cast ends, cast top and japanned cover. The back of boiler is covered with an extra sheet of blue steel. Can be attached to square top stove by removing the back shelf only. A special fastening device allows the reservoir to be bolted to the body permanently, and is sufficiently strong so that the stove may be carried by the reservoir. Reservoir capacity 818 is 9 gallons; 820-920 is 10 gallons; 822-922 is 11 gallons.

Thermometer — Furnished with all sizes. Measures heat just as a clock measures time. It avoids bad luck when baking.

Water Heater — Arranged for four-pipe water front coil.

Triple Plated Nickel Trimmings — Oven door panel and handles, front door panel and handle, fire door handle, hearth edge, oven shelf edge, front top edge, ash guard, kicker, towel rod, shaker and cover lifter.

Excelsior Stove & Manufacturing Company



Cast Cook

Roman National

For Hard Coal, Soft Coal or Wood

SQUARE

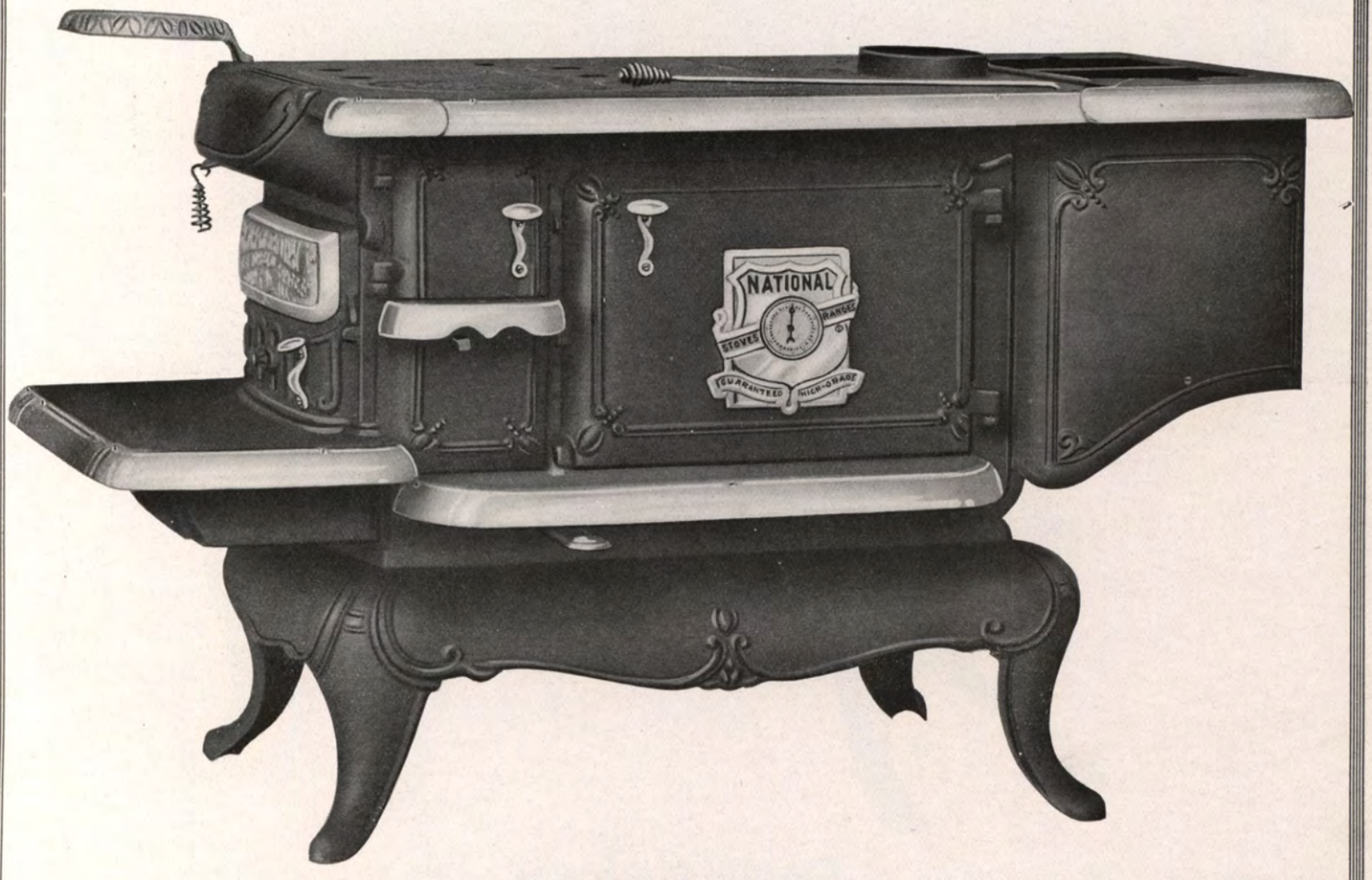
Factory Number	Holes	Ovens	Top Surface with Shelf	Weight	List	Protection Number	Code Word
816	Four 8 inch	16x17x11	23x35	310	**$43.25**	819464	Detect
818	Four 8 inch	18x19x11¾	25x37	350	**47.75**	821492	Deter
918	Four 9 inch	18x19x11¾	25x37	353	**48.75**	821940	Detest
820	Four 8 inch	20x21x12½	27x39	382	**52.75**	823748	Detort
920	Four 9 inch	20x21x12½	27x39	385	**53.75**	824192	Detour
Water Front Coil fitted in Stove, Fig. 23, extra					**4.75**	82146	Watery
Water Front Coil separate from Stove, extra					**6.00**	82708	Water

Water Heaters described on pages 14-15.

Description, Page 104

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces



Cast Cook

Roman National

WITH RESERVOIR

For Hard Coal, Soft Coal or Wood

Factory Number	Holes	Ovens	Top Surface	Weight	List	Protection Number	Code Word
816	Four 8 inch	16x17x11	23x41	363	$58.00	926107	Detract
818	Four 8 inch	18x19x11¾	25x43	402	62.50	928135	Detritus
918	Four 9 inch	18x19x11¾	25x43	405	63.50	928583	Detrude
820	Four 8 inch	20x21x12½	27x45	434	67.50	930385	Develop
920	Four 9 inch	20x21x12½	27x45	437	68.50	930839	Deviate
	Copper Reservoir ordered separate from Stove, extra				15.50	96987	Weed

Description, Page 104.

THE FIRE BACK IN THIS STOVE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Cast Cook

Guide National

For Hard Coal, Soft Coal or Wood

SQUARE

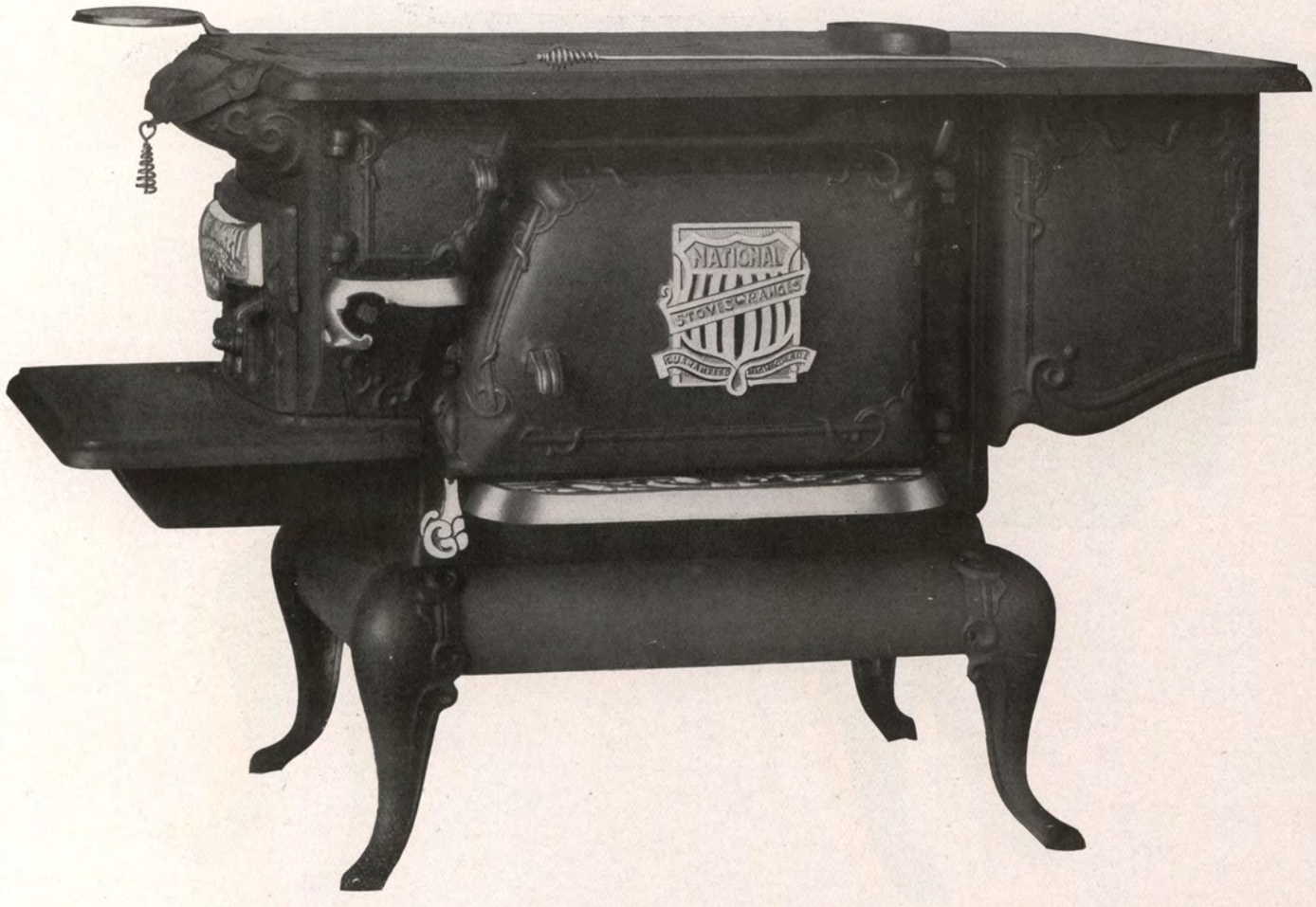
Factory Number	Holes	Ovens	Top Surface with Shelf	Weight	List	Protection Number	Code Word
714	Four 7 inch	14x14x 9½	21x30	196	**$25.25**	111364	Despair
814	Four 8 inch	14x14x 9½	21x30	196	**25.25**	111372	Despatch
816	Four 8 inch	16x16x10½	22x32	222	**28.00**	112606	Despise
818	Four 8 inch	18x18x11½	24x34	254	**32.00**	114408	Despoil
918	Four 9 inch	18x18x11½	24x34	257	**33.00**	114850	Despond
820	Four 8 inch	20x20x12	26x36	280	**36.50**	116432	Despot
920	Four 9 inch	20x20x12	26x36	283	**37.50**	116886	Dessert
Two-Pipe Water Back Coil, Fig. 26, extra					**2.25**	11028	Wattle
If wanted with Cast Base Strips instead of Steel, extra					**1.00**	1454	Whisper

Water Coil described on pages 14-15.

Description, Page 127

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces



Cast Cook

Guide National

For Hard Coal, Soft Coal or Wood

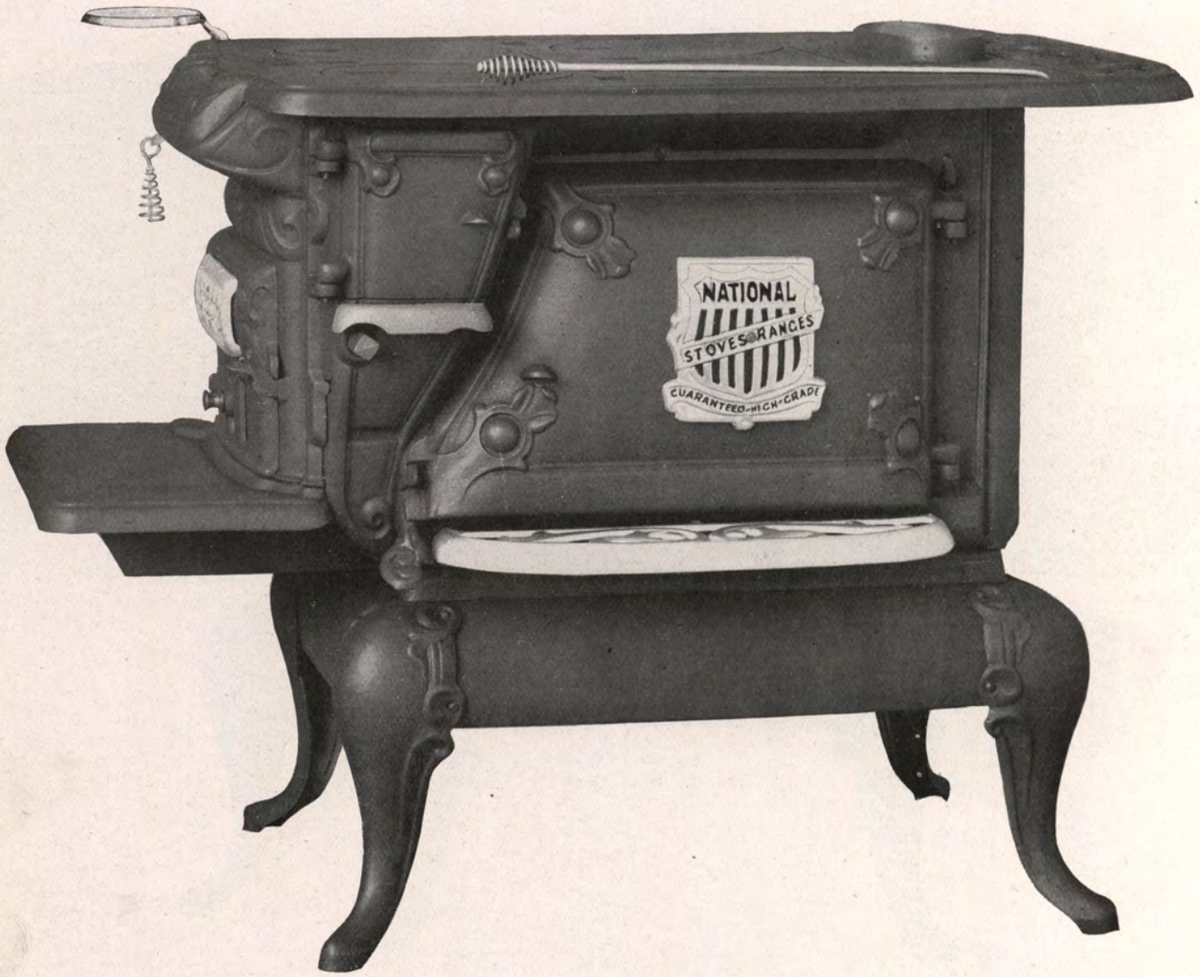
WITH RESERVOIR

Factory Number	Holes	Ovens	Top Surface	Weight	List Galvanized Reservoir	Protection Number	Code Word	List Copper Reservoir	Protection Number	Code Word
816	Four 8 inch	16x16x10½	22x38	262	**$36.75**	216547	Destine	**$40.75**	318346	Device
818	Four 8 inch	18x18x11½	24x40	294	**40.75**	218343	Destroy	**44.75**	320142	Devisor
918	Four 9 inch	18x18x11½	24x40	297	**41.75**	218795	Desultory	**45.75**	320594	Devoid
820	Four 8 inch	20x20x12	26x42	320	**45.25**	220369	Detach	**49.25**	322168	Devolve
920	Four 9 inch	20x20x12	26x42	323	**46.25**	220815	Detail	**50.25**	322610	Devote
If wanted with Cast Base Strips instead of Steel, extra								**1.00**	3454	Whisper
Copper Reservoir ordered separate from Stove, extra					**13.50**	26087	Weed			
Galvanized Reservoir ordered separate from Stove, extra					**9.50**	24283	Web			

Description, Page 127

THE FIRE BACK IN THIS STOVE LASTS FOREVER

Excelsior Stove & Manufacturing Company



Cast Cook

Glen National

For Hard Coal, Soft Coal or Wood

SQUARE

Factory Number	Holes	Ovens	Top Surface with Shelf	Weight	List	Protection Number	Code Word
714	Four 7 inch	14x14x 9¾	21 x28	172	**$21.00**	49459	Devoice
816	Four 8 inch	16x16x10¼	22 x30	190	**23.75**	410697	Devotion
818	Four 8 inch	18x18x11¼	22½x32	205	**27.75**	412493	Devour
820	Four 8 inch	20x20x11¾	24 x34	225	**32.25**	414515	Dewlap
920	Four 9 inch	20x20x11¾	24 x34	228	**33.25**	414963	Dextral
Two-Pipe Water Back Coil, Fig. 26, extra					**2.25**	41027	Wattle
If wanted with Cast Base Strips instead of Steel, extra					**1.00**	4453	Whisper

Water Coil described on pages 14-15.

Nos. 16, 18, 20 are arranged for Two-Pipe Water Back Coil.

Description, Page 127

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces

Cast Cook

Glen National

WITH RESERVOIR

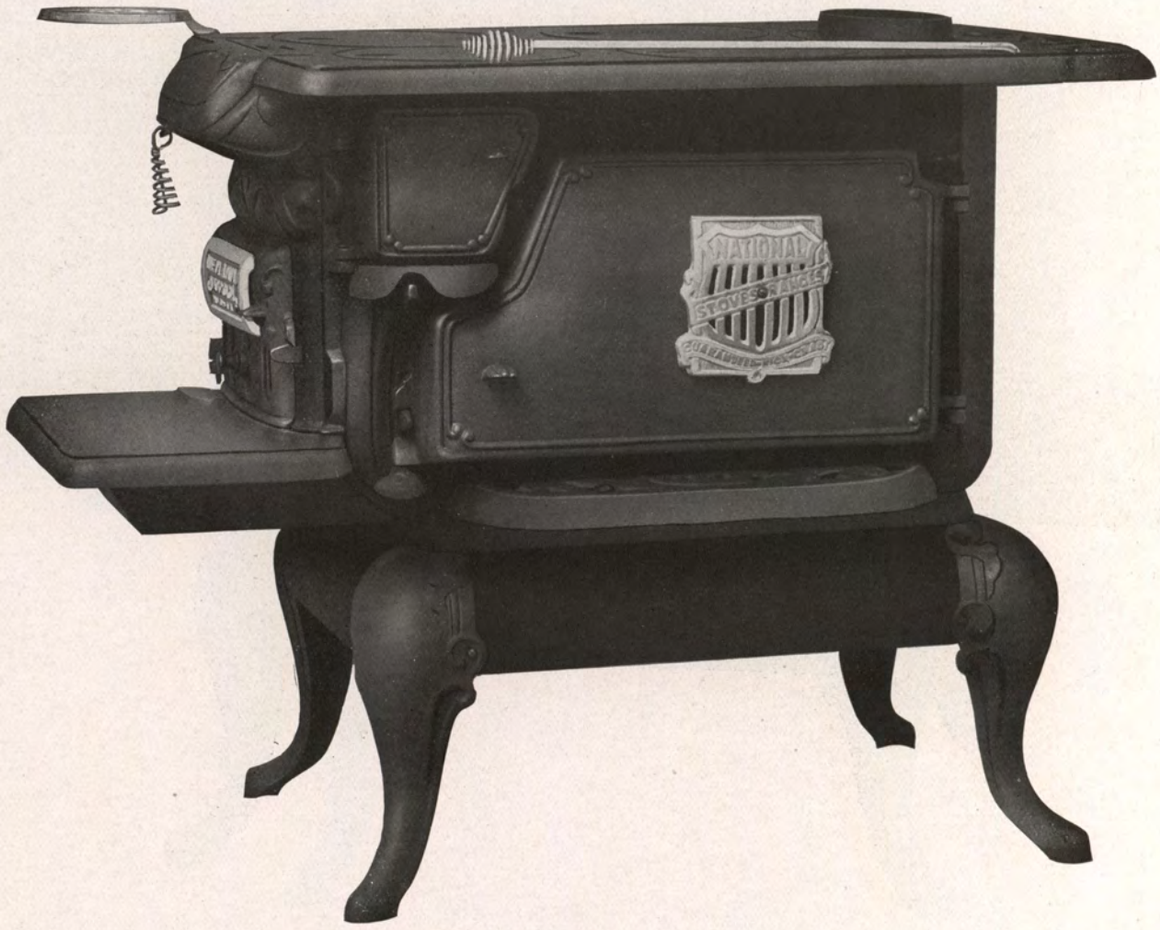
For Hard Coal, Soft Coal or Wood

Factory Number	Holes	Ovens	Top Surface	Weight	List	Protection Number	Code Word
816	Four 8 inch	16x16x10¼	22 x37	230	**$32.00**	514404	Diablery
818	Four 8 inch	18x18x11¼	22½x39	245	**36.00**	516208	Diabolic
820	Four 8 inch	20x20x11¾	24 x41	265	**40.50**	518232	Dialage
920	Four 9 inch	20x20x11¾	24 x41	268	**41.50**	518686	Diacritic
	Galvanized Reservoir ordered separate from Stove, extra				**9.00**	54054	Web
	If wanted with Cast Base Strips instead of Steel, extra				**1.00**	5456	Whisper

Description, Page 127

THE FIRE BACK IN THIS STOVE LASTS FOREVER

Excelsior Stove & Manufacturing Company



Cast Cook

Game National

For Hard Coal, Soft Coal or Wood

SQUARE

Factory Number	Holes	Ovens	Top Surface with Shelf	Weight	List	Protection Number	Code Word
714	Four 7 inch	14x14x 9	21 x28½	160	**$17.25**	67763	Diadem
816	Four 8 inch	16x16x 9½	21½x30	178	**20.00**	69009	Diagnosis
818	Four 8 inch	18x18x10	22 x31	193	**24.00**	610806	Diameter
918	Four 9 inch	18x18x10	24 x32	196	**25.00**	611255	Diagram

Description, Page 127

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces

Cast Cook

Game National

For Hard Coal, Soft Coal or Wood

WITH RESERVOIR

Factory Number	Holes	Ovens	Top Surface	Weight	List	Protection Number	Code Word
816	Four 8 inch	16x16x 9½	21½x37	218	**$28.25**	712714	Diagraph
818	Four 8 inch	18x18x10	22 x38	233	**32.25**	714512	Dialect
918	Four 9 inch	18x18x10	24 x39	236	**33.25**	714968	Dialist
	Galvanized Reservoir ordered separate from Stove, extra				**9.00**	74056	Web

Description, Page 127

THE FIRE BACK IN THIS STOVE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Cast Cook

Apollo National

For Wood Only

SQUARE

Factory Number	Holes	Ovens	Top Surface with Shelf	Weight	List	Protection Number	Code Word
818	Four 8 inch	18x17x11	23x35	278	**$41.25**	818565	Gout
820	Four 8 inch	20x19x11¾	25x37	327	**45.75**	820597	Govern
920	Four 9 inch	20x19x11¾	25x37	330	**46.75**	821043	Gown
822	Four 8 inch	22x21x12½	27x39	363	**50.75**	822849	Grab
922	Four 9 inch	22x21x12½	27x39	366	**51.75**	823297	Grade
Four-Pipe Water Front Coil (Fig. 26, made double), extra					**4.75**	82143	Water

Water Front described on pages 14-15.

Description, Page 105

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces

Cast Cook

Apollo National

WITH RESERVOIR

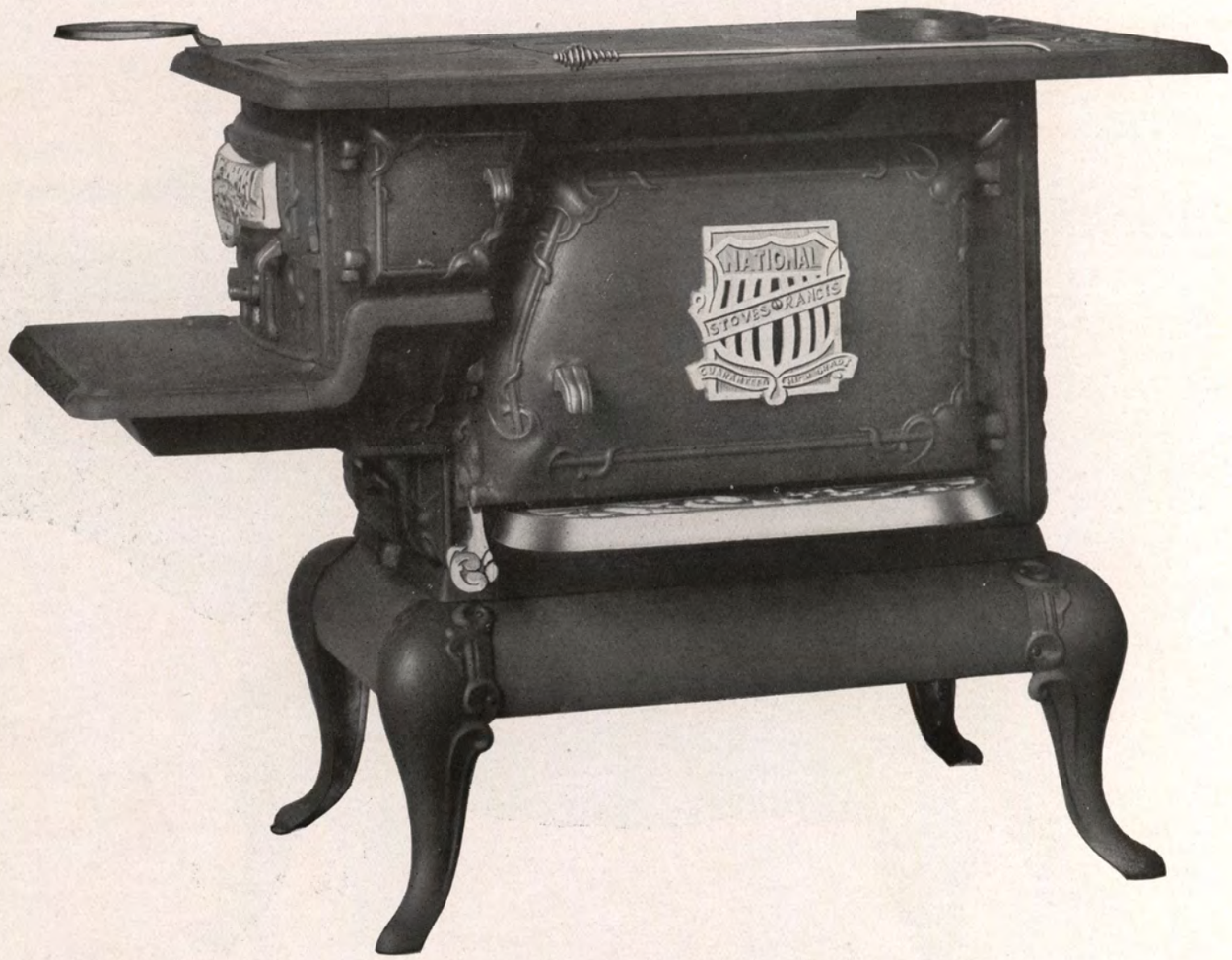
For Wood Only

Factory Number	Holes	Ovens	Top Surface	Weight	List	Protection Number	Code Word
818	Four 8 inch	18x17x11	23x41	331	**$56.00**	925204	Grail
820	Four 8 inch	20x19x11¾	25x43	380	**60.50**	927232	Grandeur
920	Four 9 inch	20x19x11¾	25x43	383	**61.50**	927680	Grandsire
822	Four 8 inch	22x21x12½	27x45	416	**65.50**	929486	Granger
922	Four 9 inch	22x21x12½	27x45	419	**66.50**	929938	Granite
	Copper Reservoir ordered separate from Stove, extra				**15.50**	96982	Weed

Description, Page 105

THE FIRE BACK IN THIS STOVE LASTS FOREVER

Excelsior Stove & Manufacturing Company



Cast Cook

Amboy National

For Wood Only

SQUARE

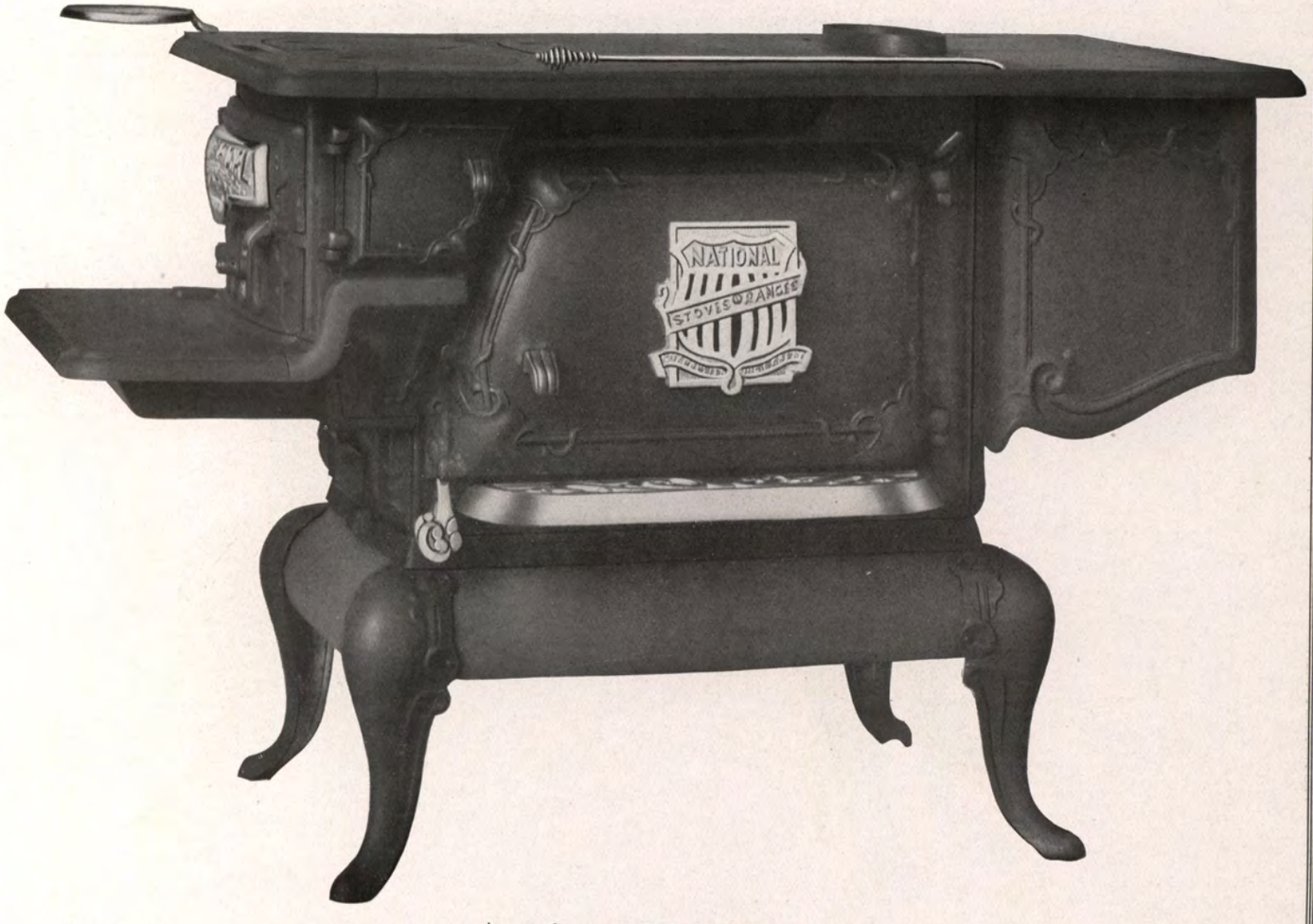
Factory Number	Holes	Ovens	Top Surface with Shelf	Weight	List	Protection Number	Code Word
715	Four 7 inch	15x14x 9½	21x30	180	**$23.75**	110695	Glume
815	Four 8 inch	15x14x 9½	21x30	180	**23.75**	110703	Glut
817	Four 8 inch	17x16x10½	22x32	200	**26.50**	111937	Glyph
819	Four 8 inch	19x18x11½	24x34	238	**30.50**	113739	Gnarl
919	Four 9 inch	19x18x11½	24x34	241	**31.50**	114183	Gnash
821	Four 8 inch	21x20x12	26x36	255	**35.00**	115757	Gnaw
921	Four 9 inch	21x20x12	26x36	258	**36.00**	116205	Gnome
Two-Pipe Water Back Coil, Fig. 26, extra					**2.25**	11029	Wattle
If wanted with Cast Base Strips instead of Steel, extra					**1.00**	1455	Whisper

Water Coil described on pages 14-15.

Description, Page 128

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces



Cast Cook

Amboy National

WITH RESERVOIR

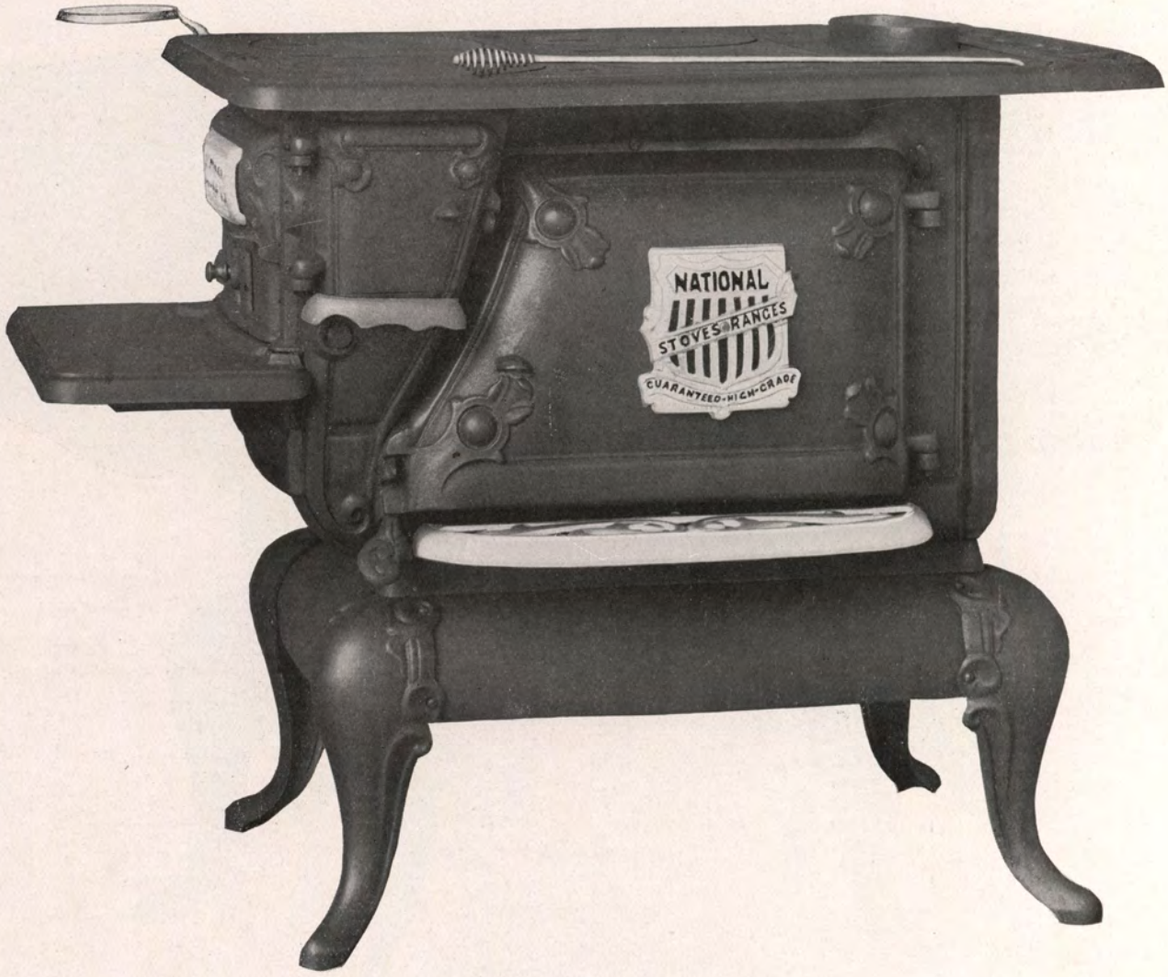
For Wood Only

Factory Number	Holes	Ovens	Top Surface	Weight	List Galvanized Reservoir	Protection Number	Code Word	List Copper Reservoir	Protection Number	Code Word
817	Four 8 inch	17x16x10½	22x38	240	**$35.25**	215862	Gnomon	**$39.25**	317665	Grantee
819	Four 8 inch	19x18x11½	24x40	278	**39.25**	217666	Gobble	**43.25**	319469	Grantor
919	Four 9 inch	19x18x11½	24x40	281	**40.25**	218114	Goblet	**44.25**	319917	Granule
821	Four 8 inch	21x20x12	26x42	295	**43.75**	219692	Goblin	**47.75**	321493	Grape
921	Four 9 inch	21x20x12	26x42	298	**44.75**	220148	Goggle	**48.75**	321947	Graphic
If wanted with Cast Base Strips instead of Steel, extra								**1.00**	3457	Whisper
Copper Reservoir ordered separate from Stove, extra					**13.50**	26086	Weed			
Galvanized Reservoir ordered separate from Stove, extra					**9.50**	24280	Web			

Description, Page 128

THE FIRE BACK IN THIS STOVE LASTS FOREVER

Excelsior Stove & Manufacturing Company



Cast Cook

Ajax National

For Wood Only

SQUARE

Factory Number	Holes	Ovens	Top Surface with Shelf	Weight	List	Protection Number	Code Word
714	Four 7 inch	14x14x 9¾	21 x28	157	**$19.75**	48896	Graphite
816	Four 8 inch	16x16x10¼	22 x30	174	**22.50**	410138	Grapnel
818	Four 8 inch	18x18x11¼	22½x32	190	**26.50**	411930	Grapple
820	Four 8 inch	20x20x11¾	24 x34	210	**31.00**	413954	Grasp
920	Four 9 inch	20x20x11¾	24 x34	213	**32.00**	414402	Grassy
Ash Pan, extra					**.60**	4276	Worthy
Two-Pipe Water Back Coil, Fig. 26, extra					**2.25**	41024	Wattle
If wanted with Cast Base Strips instead of Steel, extra					**1.00**	4454	Whisper

Nos. 16, 18 and 20 are arranged for Two-Pipe Water Back Coil.
Water Coil described on pages 14-15.

Description, Page 128

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces

Cast Cook

Ajax National

WITH RESERVOIR

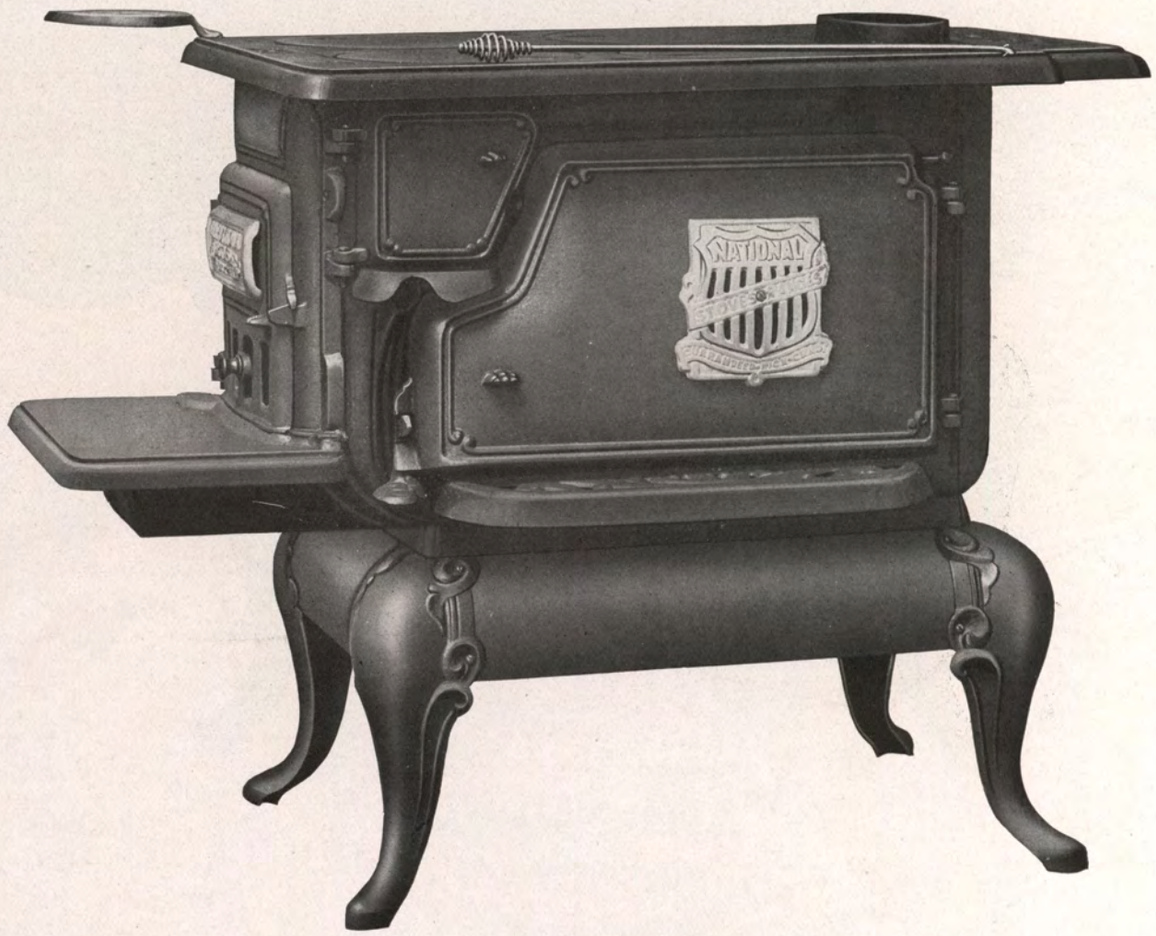
For Wood Only

Factory Number	Holes	Ovens	Top Surface	Weight	List	Protection Number	Code Word
816	Four 8 inch	16x16x10¼	22 x37	214	**$30.75**	513849	Grateful
818	Four 8 inch	18x18x11¼	22½x39	230	**34.75**	515643	Grater
820	Four 8 inch	20x20 11¾	24 x41	250	**39.25**	517665	Gratify
920	Four 9 inch	20x20x11¾	24 x41	253	**40.25**	518115	Grating
Ash Pan, extra					**.60**	5279	Worthy
Galvanized Reservoir ordered separate from Stove					**9.00**	54057	Web
If wanted with Cast Base Strips instead of Steel, extra					**1.00**	5455	Whisper

Description, Page 128

THE FIRE BACK IN THIS STOVE LASTS FOREVER

Excelsior Stove & Manufacturing Company



Cast Cook

Atlas National

For Wood Only

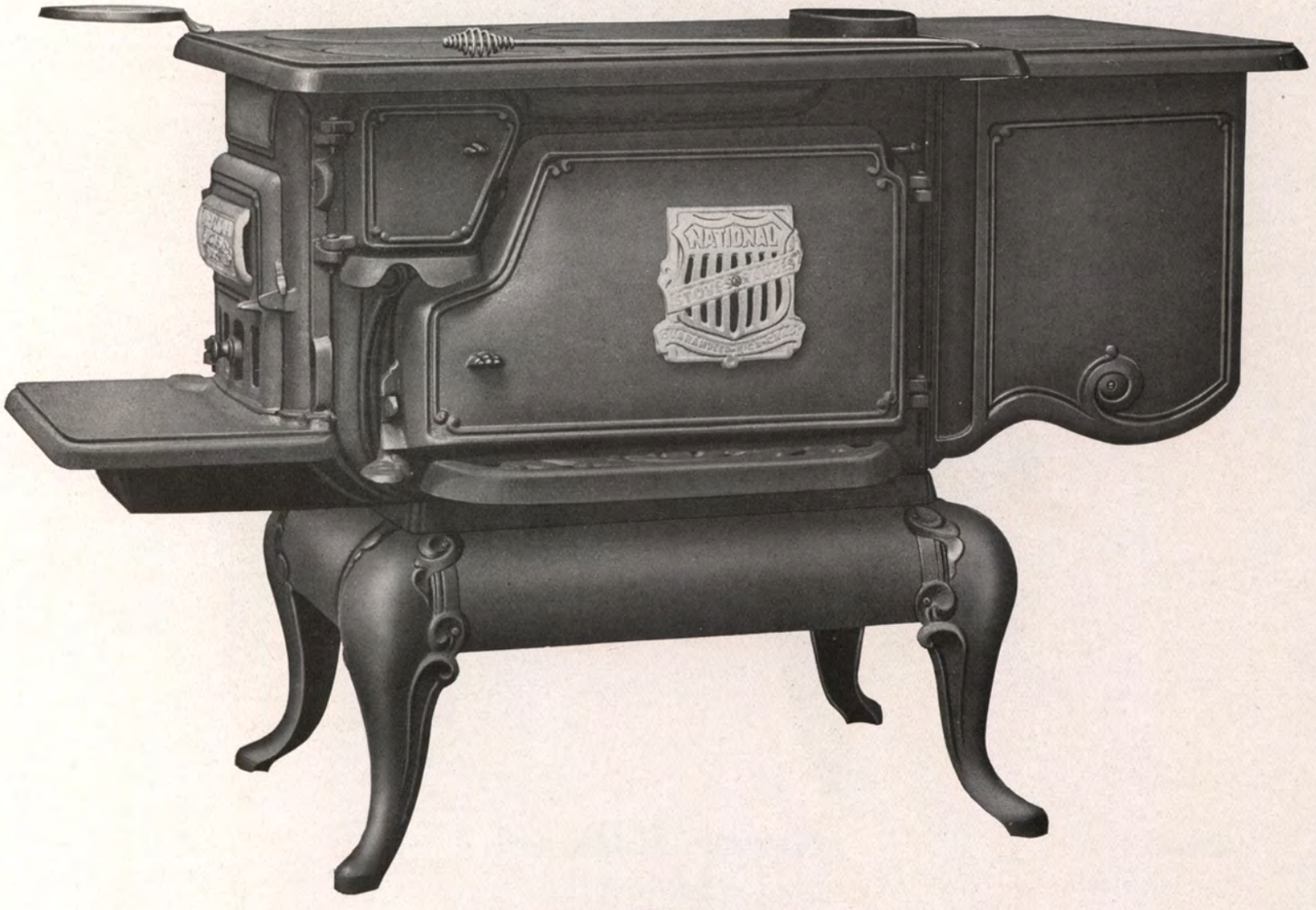
SQUARE

Factory Number	Holes	Ovens	Top Surface with Shelf	Weight	List	Protection Number	Code Word
714	Four 7 inch	14x14x 9	21 x28½	144	**$16.00**	67208	Gratis
816	Four 8 inch	16x16x 9½	21½x30	162	**18.75**	68446	Gratuity
818	Four 8 inch	18x18x10	22 x31	177	**22.75**	610244	Gratulate
918	Four 9 inch	18x18x10	24 x32	180	**23.75**	610696	Gravely

Description, Page 128.

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces



Cast Cook

Atlas National

WITH RESERVOIR

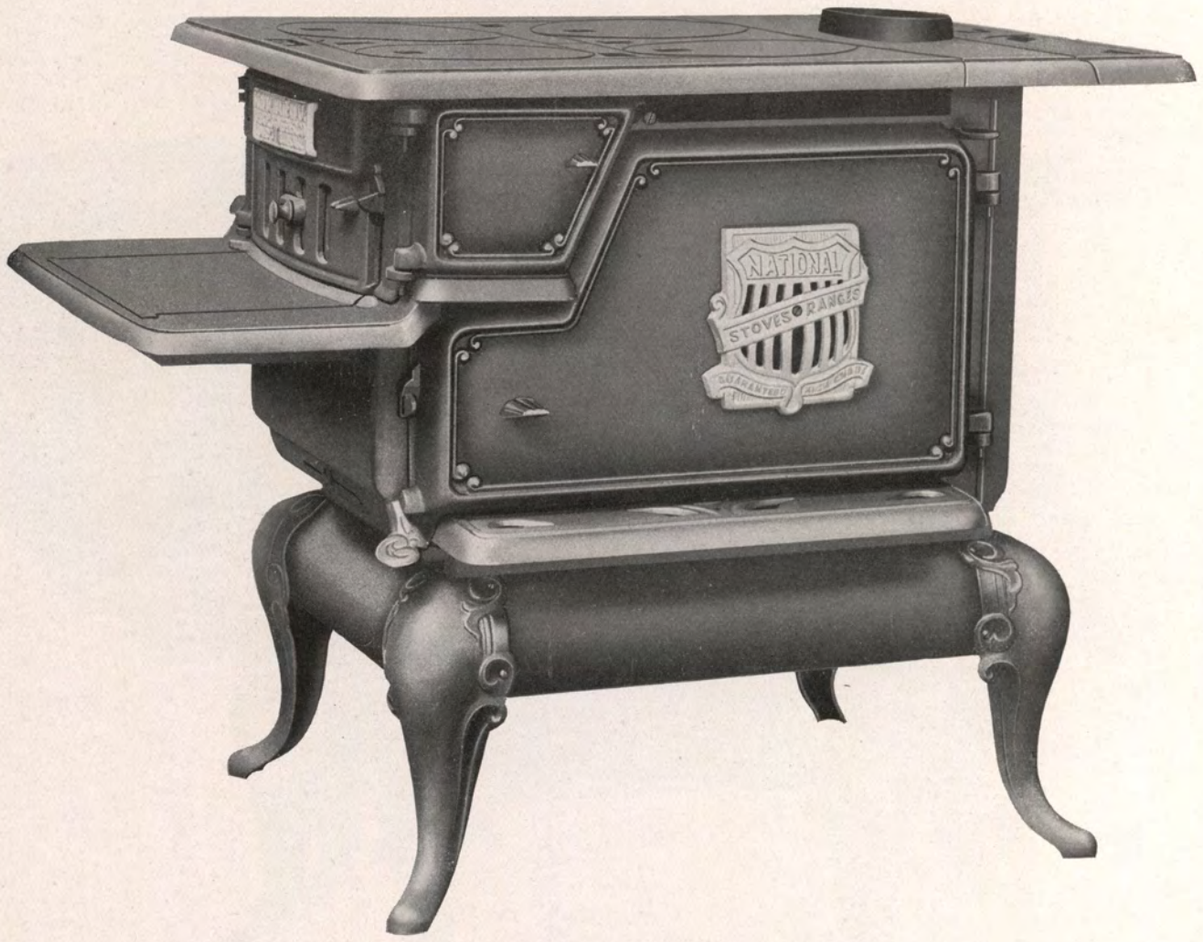
For Wood Only

Factory Number	Holes	Ovens	Top Surface	Weight	List	Protection Number	Code Word
816	Four 8 inch	16x16x 9½	21½x37	202	**$27.00**	712153	Graver
818	Four 8 inch	18x18x10	22 x38	217	**31.00**	713957	Gravid
918	Four 9 inch	18x18x10	24 x39	220	**32.00**	714405	Gravity
Galvanized Reservoir ordered separate from Stove, extra					**9.00**	74057	Web

Description, Page 128.

THE FIRE BACK IN THIS STOVE LASTS FOREVER

Excelsior Stove & Manufacturing Company



Cast Cook

Savoy National

For Wood Only

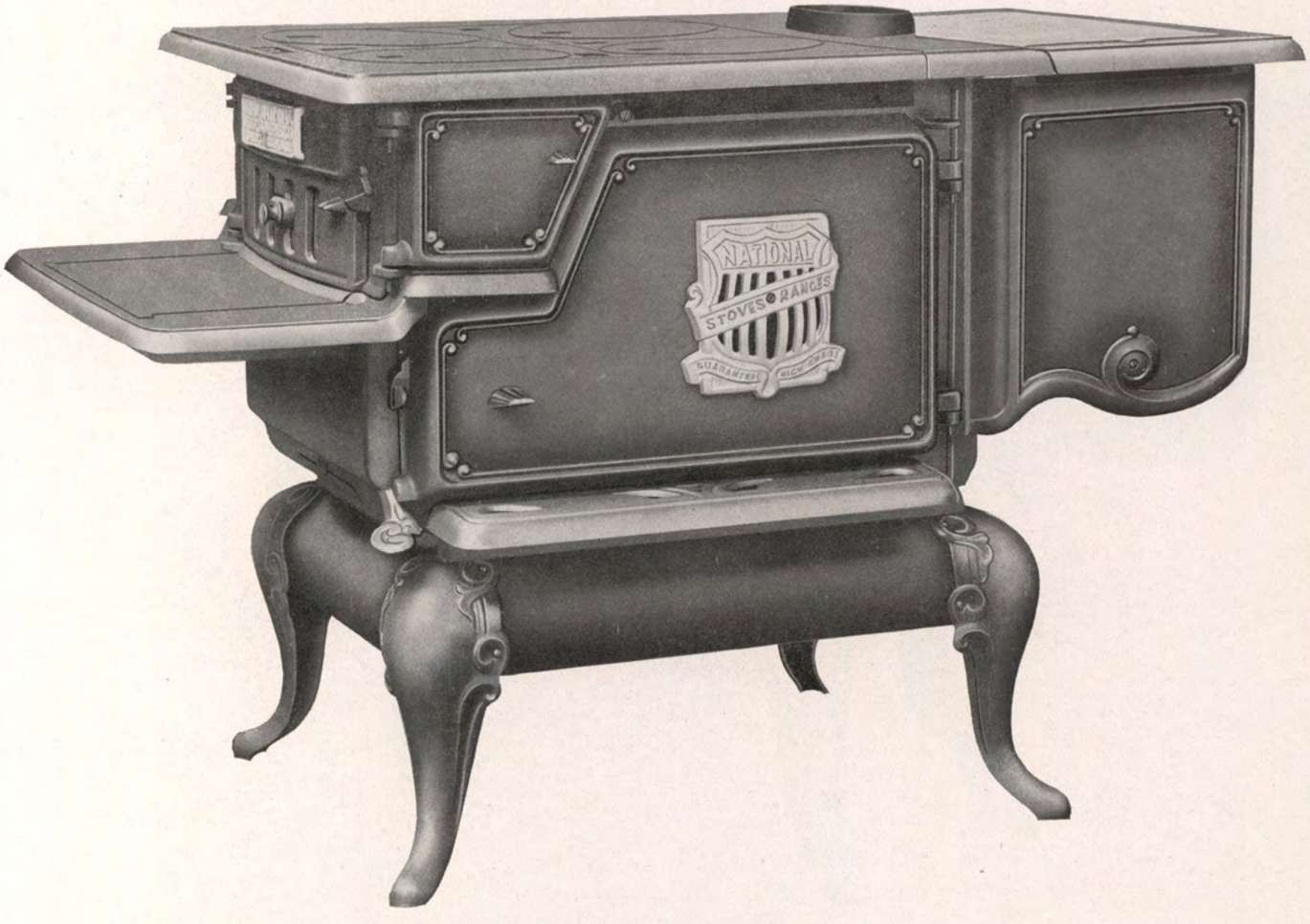
SQUARE

Factory Number	Holes	Ovens	Top Surface with Shelf	Weight	List	Protection Number	Code Word
714	Four 7 inch	14x15x 9¾	19x26	132	**$12.40**	85594	Glaze
816	Four 8 inch	16x16x10	21x28	152	**15.15**	86826	Glisten
818	Four 8 inch	18x18x10½	23x30	162	**19.15**	88624	Gloomy
918	Four 9 inch	18x18x10½	23x30	165	**20.15**	89072	Gloss
820	Four 8 inch	20x20x12	25x32	200	**23.65**	810656	Gong
920	Four 9 inch	20x20x12	25x32	203	**24.65**	811108	Good
Flat Coal Grate to fit No. 714					**.38**	8184	Gravy
Flat Coal Grate to fit No. 816					**.44**	8206	Graze

Description, Page 128.

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces



Cast Cook

Savoy National

WITH RESERVOIR

For Wood Only

Factory Number	Holes	Ovens	Top Surface	Weight	List	Protection Number	Code Word
818	Four 8 inch	18x18x10½	23x35	213	**$28.65**	912903	Glove
918	Four 9 inch	18x18x10½	23x35	216	**29.65**	913359	Glow
820	Four 8 inch	20x20x12	25x37	247	**33.15**	914929	Gopher
920	Four 9 inch	20x20x12	25x37	250	**34.15**	915375	Gorge
	Galvanized Reservoir ordered separate from Stove, extra				**9.00**	94057	Web

Description, Page 128.

THE FIRE BACK IN THIS STOVE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Cast Cook

Signal National

For Wood Only

SQUARE

Factory Number	Holes	Ovens	Top Surface	Weight	List	Protection Number	Code Word
714	Four 7 inch	14x15x 9¾	19x22	127	**$10.50**	14732	Glazier
816	Four 8 inch	16x16x10	21x24	145	**13.25**	15966	Gloat
818	Four 8 inch	18x18x10½	23x26	175	**17.00**	17658	Globate
918	Four 9 inch	18x18x10½	23x26	178	**18.00**	18104	Globose
820	Four 8 inch	20x20x12	25x28	187	**21.50**	19686	Gordon
920	Four 9 inch	20x20x12	25x28	190	**22.50**	110132	Gossip
Flat Coal Grate to fit No. 714					**.38**	1184	Gravy
Flat Coal Grate to fit No. 816					**.44**	1206	Graze

Description, Page 128.

FITTED WITH OUR WONDERFUL PORCUPINE FIRE BACK

National Stoves, Ranges and Furnaces

Cast Cook

Signal National

WITH RESERVOIR

For Wood Only

Factory Number	Holes	Ovens	Top Surface	Weight	List	Protection Number	Code Word
818	Four 8 inch	18x18x10½	23x35	203	**$26.50**	211937	Gloze
918	Four 9 inch	18x18x10½	23x35	206	**27.50**	212385	Glue
820	Four 8 inch	20x20x12	25x37	237	**31.00**	213959	Gouge
920	Four 9 inch	20x20x12	25x37	240	**32.00**	214403	Gourd
	Galvanized Reservoir ordered separate from Stove, extra				**9.00**	24057	Web

Description, Page 128

THE FIRE BACK IN THIS STOVE LASTS FOREVER

Excelsior Stove & Manufacturing Company

Cast Cook

Cuba

For Wood Only

Factory Number	Holes	Ovens	Top Surface	Weight	List	Protection Number	Code Word
714	Four 7 inch	14x14x 9¼	19½x22	100	$9.50	34286	Gosling

Large fire box, single fire back, solid fender, loose short front center, swing hearth slide, rolling damper. Mounted without rods.

THE SINGLE FIRE BACK IN THIS STOVE IS BETTER THAN A SECTIONAL

National Stoves, Ranges and Furnaces

Guide National

CAST COOK

FOR HARD COAL, SOFT COAL OR WOOD

Elegant plain modeled design, always fashionable, easily kept clean, all parts subject to wear are constructed on the same plan as our high-class NATIONALS, which have stood the test of time. Provided with oval fire box, aluminine lined oven doors, duplex grate for coal, same grate reversed for wood, porcupine fire back (guaranteed twenty-five years), extra heavy ribbed covers and centers, cut long center, top cut in two sections, substantial center rest, mounted without rods, two-flue system which provides easy draft for soft coal, removable rolling damper, wire oven rack, swing hearth slide, steel skirtings, large sheet steel ash pan. One simmering cover furnished with each stove. Armco-ingot iron galvanized reservoir boiler. Boiler capacity 816 is 7 gallons, 818-918 is 8 gallons, 820-920 is 9 gallons; heats by contact, easily attached to square stove, reservoir covers japanned and striped. A special fastening device allows the reservoir to be bolted to the body permanently, and is sufficiently strong so that the stove may be carried by the reservoir. Arranged for two-pipe water back coil in 16, 18 and 20 oven sizes.

Triple Plated Nickel Trimmings—Oven door panel, front door panel, outside oven shelf, swing teapot shelf, towel rod, cover lifter and shaker.

Glen National

CAST COOK

FOR HARD COAL, SOFT COAL OR WOOD

A stove of exceptional good value for the price. It is modeled plain in design, which is easily cleaned and kept clean. Provided with oval fire box, aluminine lined oven doors, duplex grate for coal, same grate reversed for wood, porcupine fire back (guaranteed twenty-five years), ribbed covers and centers, cut long center, top cut in two sections, substantial center rest, mounted without rods, two-flue system, which provides easy draft for soft coal, rolling damper, wire oven rack, swing hearth slide, steel skirtings, sheet steel ash pan. Armco-ingot iron galvanized reservoir can be permanently bolted to stove. Capacity 5 gallons in 16-inch oven size, 6½ gallons in 18-inch oven size, 8 gallons in 20-inch oven size. The reservoir heats by contact. Easily attached to square stove. Reservoir covers japanned and striped. Arranged for two-pipe water back coil in 16, 18 and 20 oven sizes.

Triple Plated Nickel Trimmings—Oven door panels, front door panel, outside oven shelf, swing teapot shelf, towel rod, cover lifter and shaker.

Game National

CAST COOK

FOR HARD COAL, SOFT COAL OR WOOD

An improved cast cook, modeled in plain design, with deep hearth and ash pan, wire oven rack, draw-out hearth slide, shake and dump grate (self-locking) aluminine lined oven doors, top cut in two sections, heavy covers, cut long center, convex oven top, the wonderful porcupine fire back (guaranteed twenty-five years), steel skirtings. Reservoir made of Armco-ingot iron, galvanized; heats by contact; reservoir covers japanned and striped. Reservoir capacity 5 gallons. The entire stove is mounted without the use of rods.

Triple Plated Nickel Trimmings—Oven door panels, front door panel, towel rod, swing teapot shelf and wire handle.

Excelsior Stove & Manufacturing Company

Amboy National

CAST COOK

FOR WOOD ONLY

Elegant plain modeled design, always fashionable, easily kept clean, all parts subject to wear are constructed on the same plan as our high-class NATIONALS, which have stood the test of time. Provided with aluminine lined oven doors, extra false wood bottom in fire box, porcupine fire back (guaranteed twenty-five years), extra heavy ribbed covers and centers, cut long center, top cut in two sections, substantial center rest, mounted without rods, two-flue system, insuring easy draft, removable rolling damper, wire oven rack, deep hearth with swing hearth slide, steel skirtings, large sheet steel ash pan. One simmering cover furnished with each stove. Armco-ingot iron galvanized reservoir boiler. Capacity 817 is 7 gallons, 819-919 is 8 gallons, 821-921 is 9 gallons. Heats by contact. Easily attached to square stove. Reservoir covers japanned and striped. A special fastening device allows the reservoir to be bolted to the body permanently, and is sufficiently strong so that the stove may be carried by the reservoir. Arranged for two-pipe water back coil.

Triple Plated Nickel Trimmings—Oven door panel, front door panel, outside oven shelf, swing teapot shelf, towel rod and cover lifter.

Ajax National

CAST COOK

FOR WOOD ONLY

A stove of exceptionally good value for the price. It is modeled plain in design, which is easily cleaned and kept clean. Provided with extra large fire box, aluminine lined oven doors, dumping false wood bottom grate, swinging front fender, porcupine fire back (guaranteed twenty-five years), ribbed covers and centers, cut long centers, top cut in two sections, substantial center rest, mounted without rods, two-flue system, which provides easy draft, rolling damper, wire oven rack, swing hearth slide, steel skirtings. Armco-ingot iron galvanized reservoir can be permanently bolted to stove. Capacity 5 gallons in 16-inch oven size, 6½ gallons in 18-inch oven size, 8 gallons in 20-inch oven size. The reservoir heats by contact. Easily attached to square stove. Reservoir covers japanned and striped. Arranged for two-pipe water back coil in 16, 18 and 20 sizes.

Triple Plated Nickel Trimmings—Oven door panels, front door panel, outside oven shelf, swing teapot shelf, towel rod and cover lifter.

Atlas National

CAST COOK

FOR WOOD ONLY

An improved cast cook, modeled in plain design, with deep low hearth and ash pan, wire oven rack, draw-out hearth slide, dump wood grate, aluminine lined oven doors, top cut in two sections, heavy covers, cut long center, convex oven top, the wonderful porcupine fire back (guaranteed twenty-five years), steel skirtings. Reservoir made of Armco-ingot iron, galvanized; heats by contact, and may be permanently bolted to the stove; reservoir covers japanned and striped. Reservoir capacity 5 gallons. The entire stove is mounted without the use of rods.

Triple Plated Nickel Trimmings—Oven door panels, front door panel, towel rod, swing and teapot shelf.

Savoy National

CAST COOK

FOR WOOD ONLY

Large fire box, porcupine fire back (guaranteed twenty-five years), swing fender, cut long center, swing hearth slide, deep hearth, rolling damper, outside oven shelf, oven door kicker, back top shelf, nickeled oven door panels, mounted without rods. Reservoir made of Armco-ingot iron, galvanized; heats by contact; it may be permanently bolted to the stove; reservoir covers japanned and striped. Reservoir capacity 8 gallons.

Signal National

CAST COOK

FOR WOOD ONLY

Made in every respect like the Savoy National, excepting it has no outside oven shelf, oven door panels, steel base strips, or oven door kicker.

National Stoves, Ranges and Furnaces

Crest National

FOR HARD COAL, SOFT COAL OR COKE

Our Crest National is an elaborate parlor heater. It is extra heavy and substantial, with polished steel body, corrugated fire pot, triangular grate which consists of four bars that are coupled in pairs and permits shaking half the grate at a time. The grate bars may be removed without taking the stove apart. A loose cover over the cogs and a front bar permit the grate to be removed in sections through the ash pit opening. A special arrangement of the grate shaker prevents the operator from leaving the grate in a wrong position.

Large feed door with smoke curtain, automatic poke hole and mica illumination, check damper in smoke collar, bar lock on doors, deep base with screw draft and steel ash pan, blast ring arranged entirely within the stove heats uniformly. The air is supplied directly into the blast ring under the feed door. This method supplies the fuel with the greatest possible amount of oxygen and thoroughly consumes the escaping smoke and gases.

The double heater consists of two circulating flues on the rear of stove. These flues pass through the base with openings under the stove, cold air being drawn from the floor passes the fire pot and body to the outlets above. The results of this air circulation may be noted in the fact that the farther corners of a room will be as warm as near the stove.

Triple Plated Nickel Trimmings—Legs, skirtings, four foot rails, pilasters, name plate, draft plate, top ring, swing top, urn, grate shaker and keys.

Parlor National

FOR SOFT OR HARD COAL

A strictly high-grade oak stove, extra heavy and substantial, with heavy polished steel body, corrugated fire pot, shaking and draw center grate, large feed door with smoke curtain, check draft in collar, bar lock on doors, mica front door, deep base, screw drafts, steel ash pan.

Triple Plated Nickel Trimmings—Four foot rails, name plate, top ring, urn, grate shaker and keys.

Oakland National

WITH CYCLONE HOT BLAST DRAFT

FOR SOFT COAL, HARD COAL OR WOOD

High-grade oak heating stove, heavy and substantial in all parts. The cyclone draft consists of a damper under the feed door and a cast section of ring over the top of fire pot; the length of this ring corresponds with the width of the cast front. The air enters this damper and is heated. It is then discharged from both ends of the ring in a swirling motion over the fire, supplying the necessary oxygen to completely consume the hydro-carbons from the fuel. The feed door is extra large and machine fitted, base door and base door damper are machine fitted, which insures an air-tight stove and a thoroughly good fire keeper. Polished hard steel body with overlapping flange where the body connects to the cast front, will never warp between the bolting places; the steel body is connected to the fire pot with our self-sealing joint. Corrugated straight form fire pot. Large center heat deflecting ring. Improved pattern shaking and draw center grate, shakes through ash door damper opening; grate removable without taking stove apart. Solid one-piece base with cast iron bottom. Never-break polished steel skirtings. Large sheet steel ash pan, smoke curtain in feed door. Mica feed door with outside mica frame. The nickel top ring is made of cast iron in four sections; all nickel parts are removable.

Triple Plated Nickel Trimmings—Swing top, top ring, feed door panel, three sections of foot rail, pilasters, legs, ash door damper, keys and elaborate urn.

Tuinwon National

FOR COAL OR WOOD

An oval heater, adapted for coal or wood fuel. Provided with duplex grates for coal, same grate reversed for wood; has extra side cast lining inside the fire pot; these linings are perforated and cover an opening in the base which admits air between the linings and fire pot, thus furnishing hot blast to the fire; this in conjunction with the tube blast from the top makes a double blast that burns coal with the greatest efficiency. The oval shape of this stove adapts it to long lengths wood, making a perfect two-in-one stove. Heavy steel body, deep ash pit with sheet steel ash pan, large feed door with smoke curtain, steel skirtings.

Triple Plated Nickel Trimmings—Swing top, top ring, feed door panel, pilasters, foot rails, damper, keys and urn.

Excelsior Stove & Manufacturing Company

National

ROUND FLUE BASE BURNER

FOR HARD COAL OR COKE

Construction

A stove of highest quality and modeled in Colonial design, which is clean and easily kept clean, embodying advanced architecture. This is the only three-flue base burner ever built that is designed, in its structural features, to take advantage of all the heat generated from the coal consumed. The round flues conform to the shape of the draft current, which forces the heat against the surfaces of all flues, and doubles the radiating power over any flat flue system. All the flues in our National base burner, both in the rear and bottom, are exposed. The air of the room is in contact with all the surfaces of all flues, which is the maximum of radiating power obtainable. This feature has been the goal of all stove makers, and never accomplished, except in the National base burner. There are three distinct flues, two of which carry the products of combustion in its descent through the side flues, including the flues in the sides of the ash pit section, and one flue through the center of bottom, and back for the ascending current of draft. The flues, being round, obviate friction, therefore insure easy draft and a fire that is always under the perfect control of the operator.

The No. 180 size contains 5836 square inches of radiating surface. This is greater than any base burner on the market, and proves our claim fully.

The fire pot is movable; allows turning to equalize wear. It is extra deep and made with straight sides, which exposes a large grate surface. The front body strip is removable, permitting the renewal of fire pot through the front. Flues clean out through front of stove. Mica doors are all removable and the turnkeys placed to draw every door thoroughly gas tight.

Ventiduct

The ventiduct flue in the National is not simply a talking point; it is a flue of value, to the extent that it furnishes a volume of heated air sufficient to warm two rooms on second floor, if hot air pipe is attached. This flue occupies all the space between the fire pot section and rear flues, deriving its supply of cold air inlet through the two elongated openings between the bottom flues, and discharges direct into the space between the dome and back of magazine casing. This feature not only adds to the efficiency as a fuel saver, but increases the radiating surface. It also serves as a protection to the inside castings of the stove, making them all exposed to the atmosphere, thereby imparting durability to all these parts.

The two nickel corner columns are also air circulating flues. The air enters on both sides through the fretwork under the foot rails and passes up through the front corner nickel columns, and discharges under the dome. This reinforces the rear ventiduct and makes the most powerful air circulator on the American market.

Roller Bearing Grate

Duplex grate, with roller bearing shaking ring section, operates entirely outside the stove, makes the most convenient grate for the operator. The roller bearings can not get out of order. The shaking section of the grate is cupped in the center, which forces all ashes to the duplex dump, where they are easily dropped to the ash pan. Large wide ash guards conduct all ashes toward the center of pan, which is extra large and made of sheet steel with bail. Complete grate removable without taking the stove apart.

Fittings

The base door, swing top, magazine cover, etc., are all "machine fitted," namely, the fitting places are surfaced off, with special machinery, to an absolute true surface, making them gas tight, dustproof and air tight.

Magazine

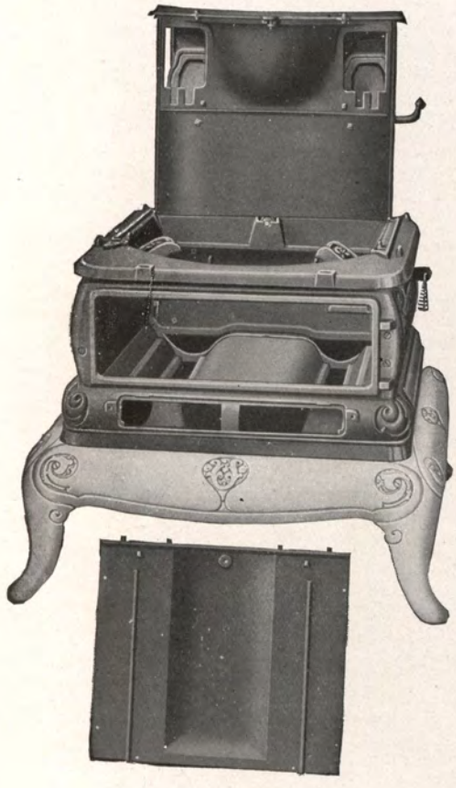
We do not use the old-fashioned clapper door as a magazine cover, which never fits, and is frequently held open, caused by coal dust lodging on the ledge that holds the door, and causes gases to escape out of the magazine. The National magazine cover is a separate cover, under the swing top, that has a machine fitted edge against a machine fitted magazine top, and automatically removes any coal dust that might exist. It swings off and onto the magazine automatically with the movement of the swing top.

The magazine is provided with down flues in both sides. Any gases rising in the magazine through the coal are carried back to the combustion chamber and consumed. The feeder end of the magazine is removable.

Triple Plated Nickel Trimmings

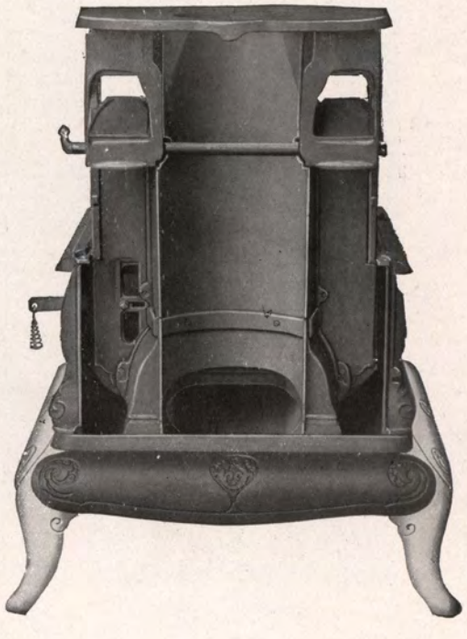
Deflector dome, swing top, pilasters, foot rails, name plate, ash guard, legs, three sections of skirtings, ash door panels, ash door damper, poker, keys, knobs and elaborate urn. All nickel parts are loose, removable without taking out a bolt, and arranged to prevent tarnish from the heat.

National Stoves, Ranges and Furnaces

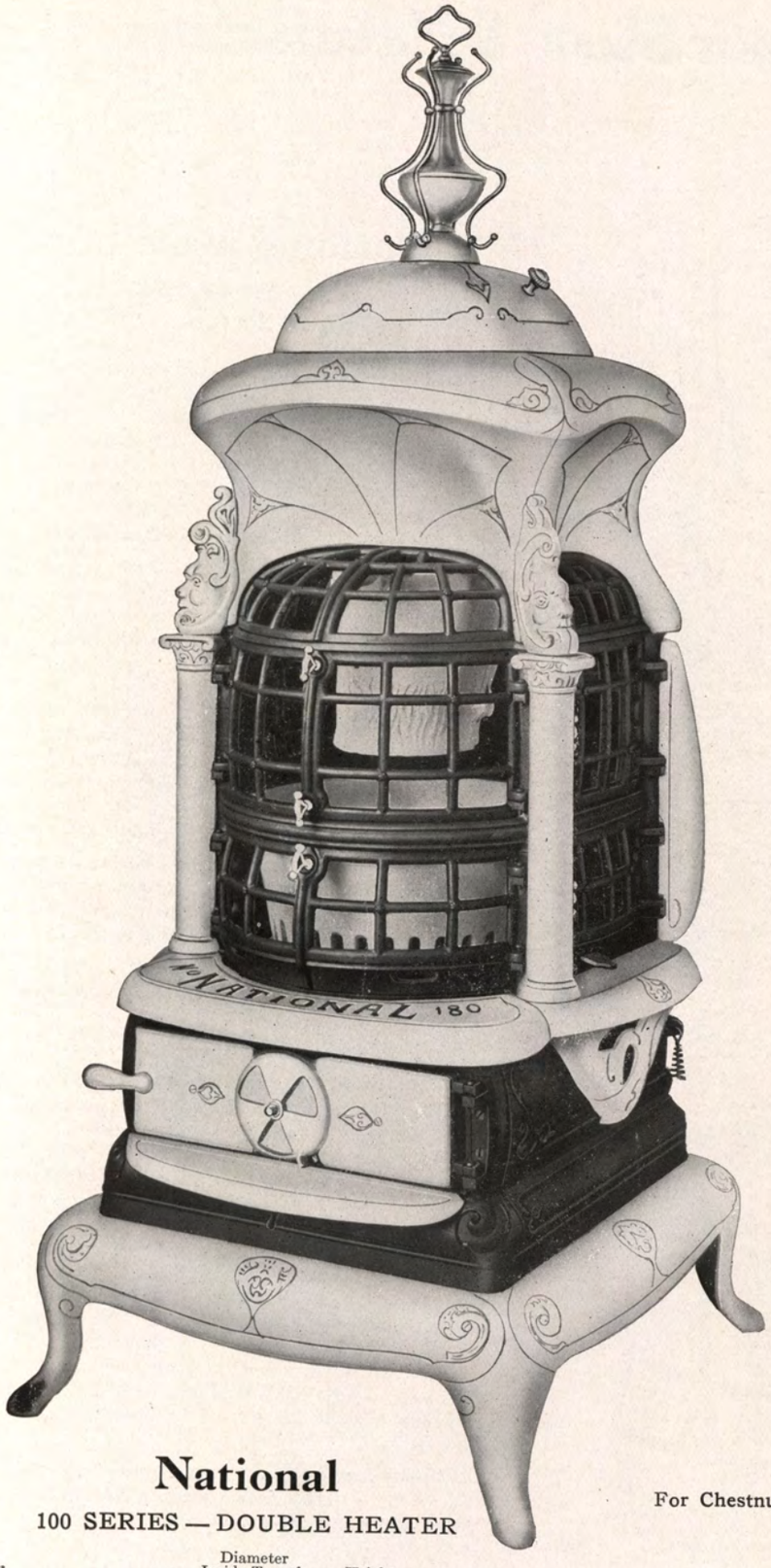


This sectional view shows the front base portion of our National base burner. The ash pit bottom is removed to permit a view of the bottom flues and air circulating spaces between the flues. This shows clearly the great amount of radiating space, which doubles that of any other stove; note also the clean-out opening for removal of ashes from the flues. It is large and wide; all parts of the flues are accessible; the clean-out being in the front of base makes it convenient to clean at any time. The location of check damper in the ash pit base checks the fire satisfactorily, draws off any gases or dust while shaking or dumping the grate. The grate rollers are also shown. These are supported with a bolt serving as the axle, renewable if it were possible to ever wear them out. At the top of rear section is the two descending heat flue openings, whose combined size exactly equals the fire pot requirements.

This sectional view shows the rear portion of our National base burner. The size and shape of the bottom flues are plainly indicated. It also exhibits the side flues in the ash pit section. The heat current passes continually through these side flues, and adds that amount of additional radiating surface. The ventiduct flue is well defined, showing its location between the descending and ascending flues. It is heated from all sides; the air circulation thoroughly preserves it from burning out. The dampers at top are the direct draft dampers; when open allows a direct draft to the chimney.



Phantom View National Base Burner



5836 SQUARE INCHES
RADIATING SURFACE
IN No. 180

Round Three-Flue
Base Burner

National

100 SERIES — DOUBLE HEATER

For Chestnut or Stove Size Hard Coal

Factory Number	Size Body	Diameter Inside Top of Fire Pot	Height Less Urn	Weight	List	Protection Number	Code Word
160	16 inches	14 inches	57½ inches	510	$90.75	440843	Hunter
170	17 inches	15 inches	59 inches	555	98.00	444109	Hurdle
180	18 inches	16 inches	61 inches	610	106.75	448046	Husky

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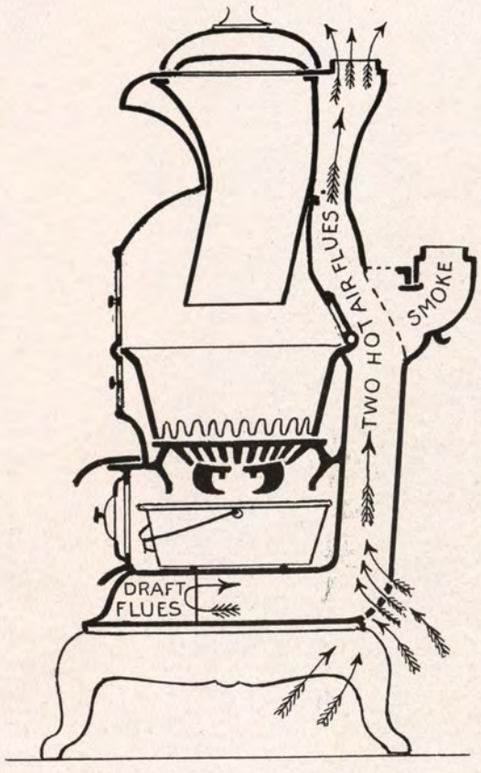
Excelsior Stove & Manufacturing Company



Outline cut National Base Burner

Plan view of National Three-flue system, showing distribution of heat and the Two Ventiduct Flues

National Base Burner

300 SERIES

FOR HARD COAL OR COKE

This stove is especially adapted for the use of chestnut size hard coal or stove size (No. 4) hard coal; when coke is used, it should be merchantable crushed coke. This stove is a strictly high-grade construction in all its features, made with three flues, the two outer flues being the descending, and the center the ascending flue, making a total of twelve lineal feet of heat travel from the fire pot to the outlet pipe; this produces the maximum of radiation, and greatest efficiency of fuel consumed.

The ventiduct flues consist of two V-shaped air circulating flues, located between the smoke flues; these extend from the base of the stove and communicate with the exit collar in rear of dome top. These ventiduct flues produce a complete circulation of all the air in an ordinary size room, once every three hours, or eight times each day; the upward flow of air through the ventiduct flue draws the cold air not only from the floor, but from the farther corners of the room, as well as effectively heating the remote corners of the room equal to proximity of the stove. A separate warm air pipe may be attached to the exit of the ventiducts and conducted to a room on second floor if desired.

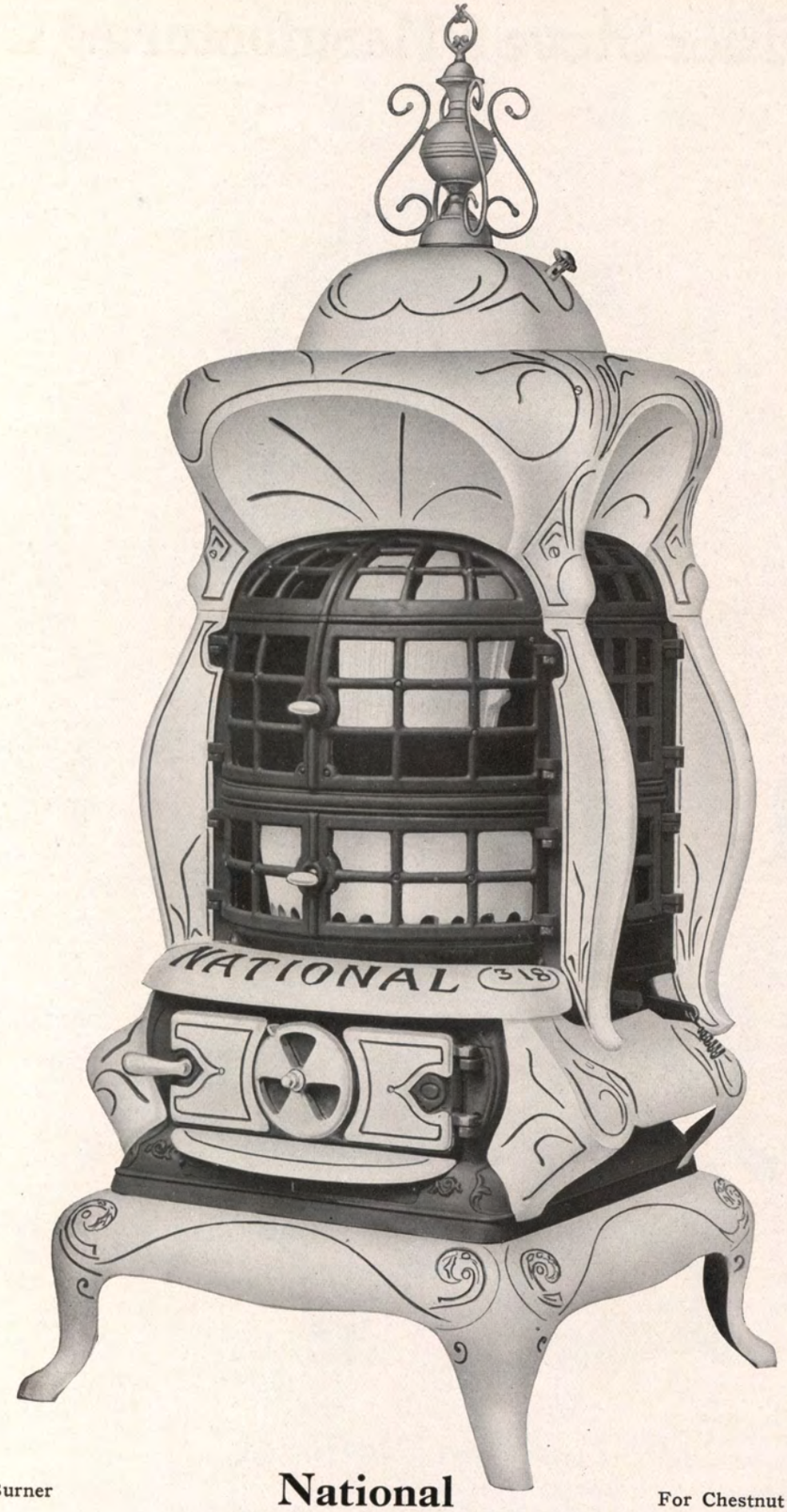
The fire pot may be revolved to equalize the wear; it is also removable through the front of the stove; two bolts on the outside of the lower front must be removed, which allow the lower front and doors to be taken off; the fire pot is then accessible.

The magazine feeder is removable through the upper front doors.

The grate is removable through the ash pit.

The magazine top and cover are machined to a true ground surface; the cover swings off the fuel opening automatically with the swing cover, and closes absolutely gas tight. Side flues in the magazine are so arranged that any gases passing upward through the fuel are drawn out and returned to the fire, where it is consumed, thereby preventing escape into the room. All doors are fitted and firmly drawn tight with turn-keys. The base door is machine fitted to a true surface, and is provided with a machine fitted draft register. The grate is the approved duplex type with shaking ring section, both of which operate outside the stove, making it convenient to use. The direct draft damper is adjustable and may be easily dismounted. Clean out flue opening is located in front of base, facilitating the cleaning of all flues. Large sheet steel ash pan. All nickel trimmings are loose and can be removed for cleaning without taking out any bolts.

Triple Plated Nickel Trimmings.—Legs, three skirtings, ash door, foot rails, hearth plate, pilasters, dome, swing top, keys, knobs, and elaborate run.



Three-Flue Base Burner

National

For Chestnut or Stove Size Hard Coal

300 SERIES — DOUBLE HEATER

Factory Number	Diameter Body	Diameter Inside Top of Fire Pot	Height Less Urn	Weight	List	Protection Number	Code Word
316	16 inches	14 inches	52	412	**$78.75**	535442	Hungry
317	17 inches	15 inches	54½	457	**85.00**	538256	Hunks
318	18 inches	16 inches	57	500	**92.00**	541408	Hunt

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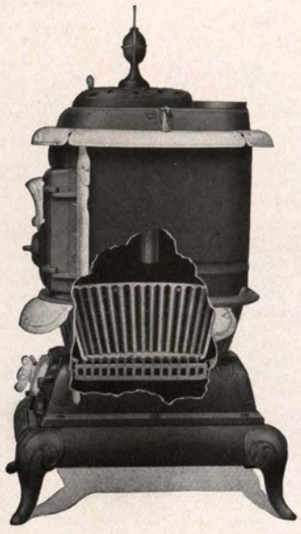
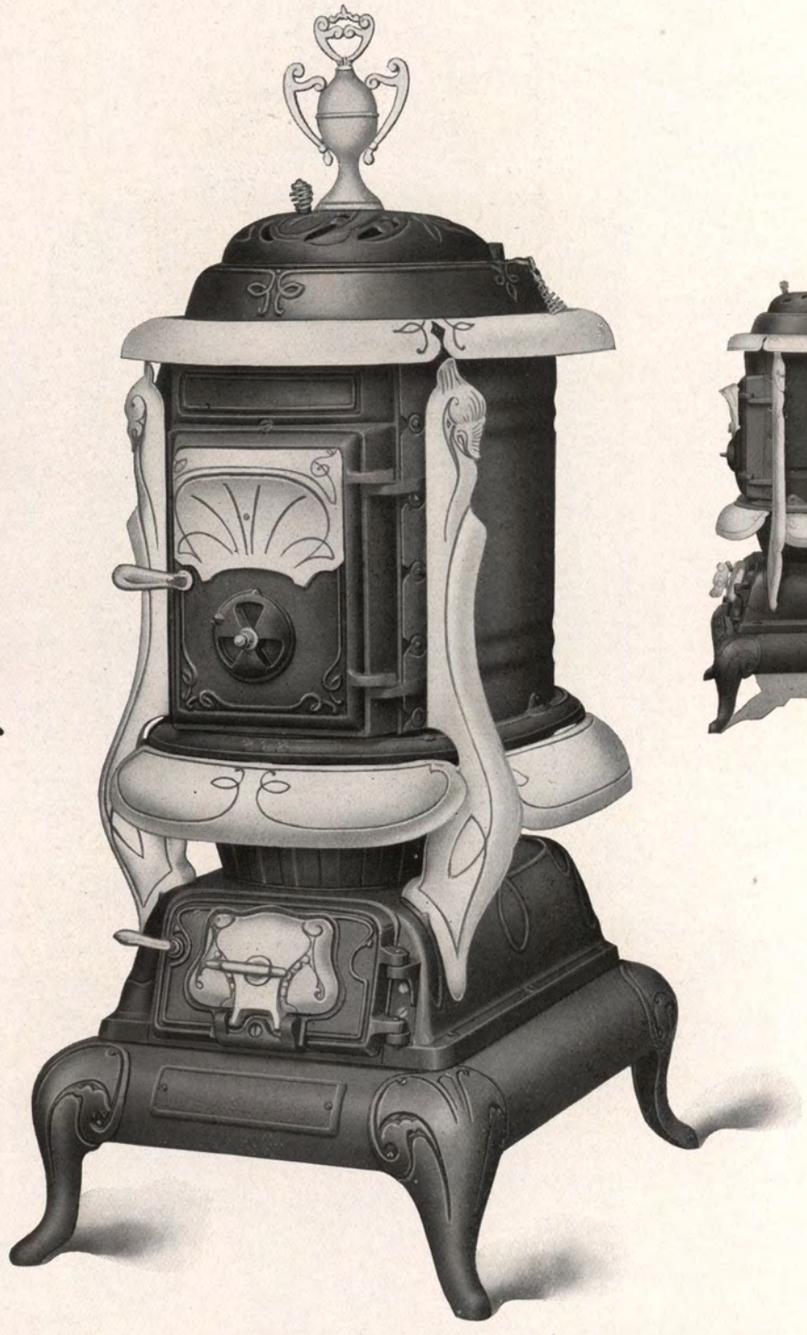
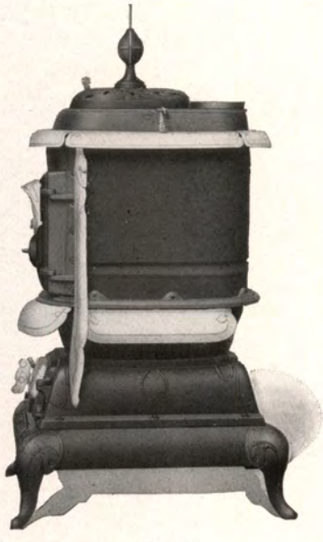
Excelsior Stove & Manufacturing Company



Sectional View





Side View

For Coal or Wood

Tuinwon National

With Double Blast

Factory Number	Diameter Top of Fire Pot	Height Less Urn	Weight	List	Protection Number	Code Word
182	12 x18	42 inches	157	$28.25	612713	Herbarium
212	13½x21	44 inches	176	31.50	614187	Herdsman

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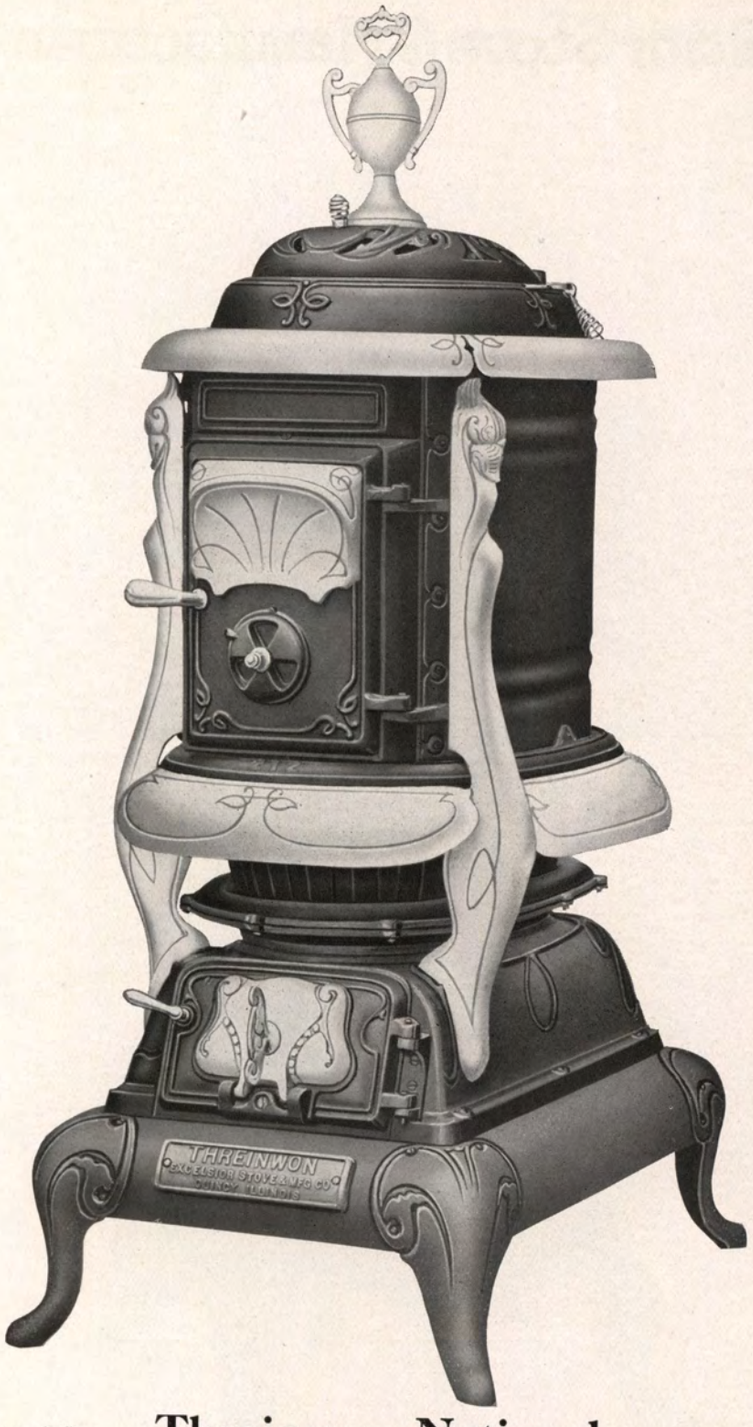
NATIONAL QUALITY AND EFFICIENCY



For Coal, Wood or Natural Gas

Threinwon National

With Blast Tube

Factory Number	Diameter Top of Fire Pot	Height Less Urn	Weight	List	Protection Number	Code Word
182	12 x18	43 inches	165	**$30.75**	713846	Hornpipe
212	13½x21	45 inches	186	**34.25**	715416	Horologe

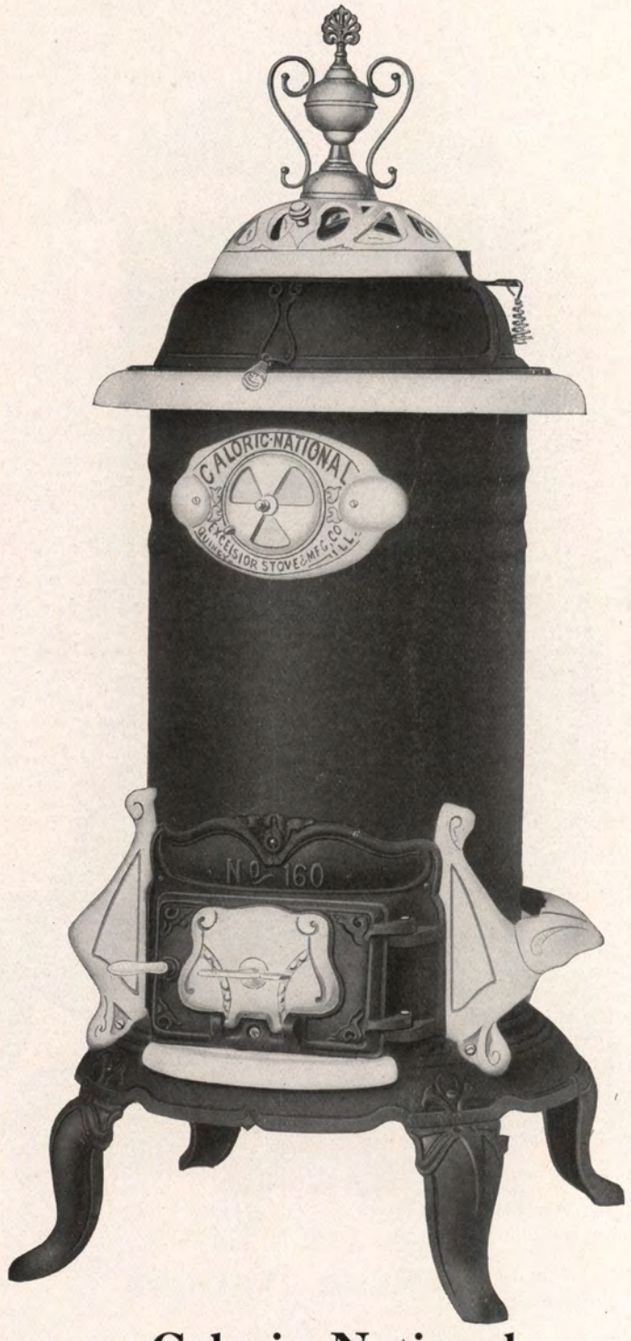
This stove is in every respect the same as our Tuinwon National, excepting that it has no cast iron side linings inside the fire pot. It has an oval gas ring for Natural gas, mounted between the fire pot and base, same style and construction as used in our Staple National, page 144.

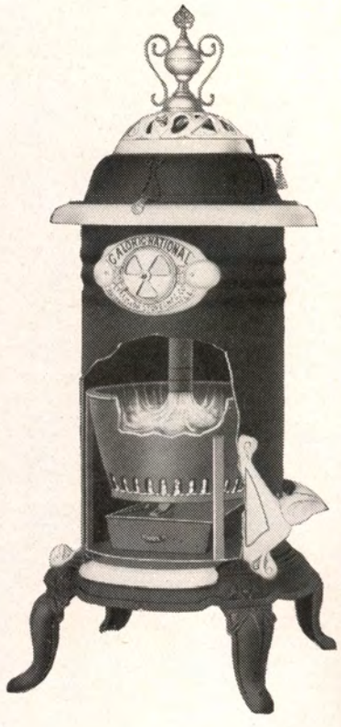
The inside fire pot linings are omitted because they interfere with the gas flame.

N. B. These Natural gas rings can not be placed in our Tuinwon National. The side Nickel wings being different.

NATIONAL QUALITY AND EFFICIENCY

Excelsior Stove & Manufacturing Company





Sectional View, showing Oscillating Blast Tube and Ash Pan

For Soft or Hard Coal

Caloric National

With Hot Blast Tube

Factory Number	Diameter Steel Body	Height Less Urn	Weight	List	Protection Number	Code Word
120	12 inches	39 inches	113	**$20.75**	89347	Hough
140	14 inches	42 inches	143	**23.50**	810585	Hound
160	16 inches	45 inches	160	**27.00**	812153	House
180	18 inches	47 inches	193	**30.75**	813849	Housing

Description, Page 149.

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces

For Soft or Hard Coal

Perfect National

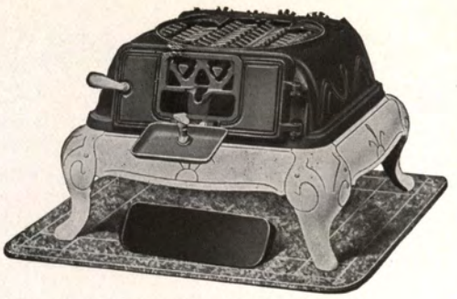
With Hot Blast Ring

Factory Number	Diameter Steel Body	Height Less Urn	Weight	List	Protection Number	Code Word
141	14 inches	44 inches	146	$25.75	911594	Hawk
161	16 inches	44 inches	170	28.50	912838	Hawser
181	18 inches	46 inches	200	32.00	914408	Haying

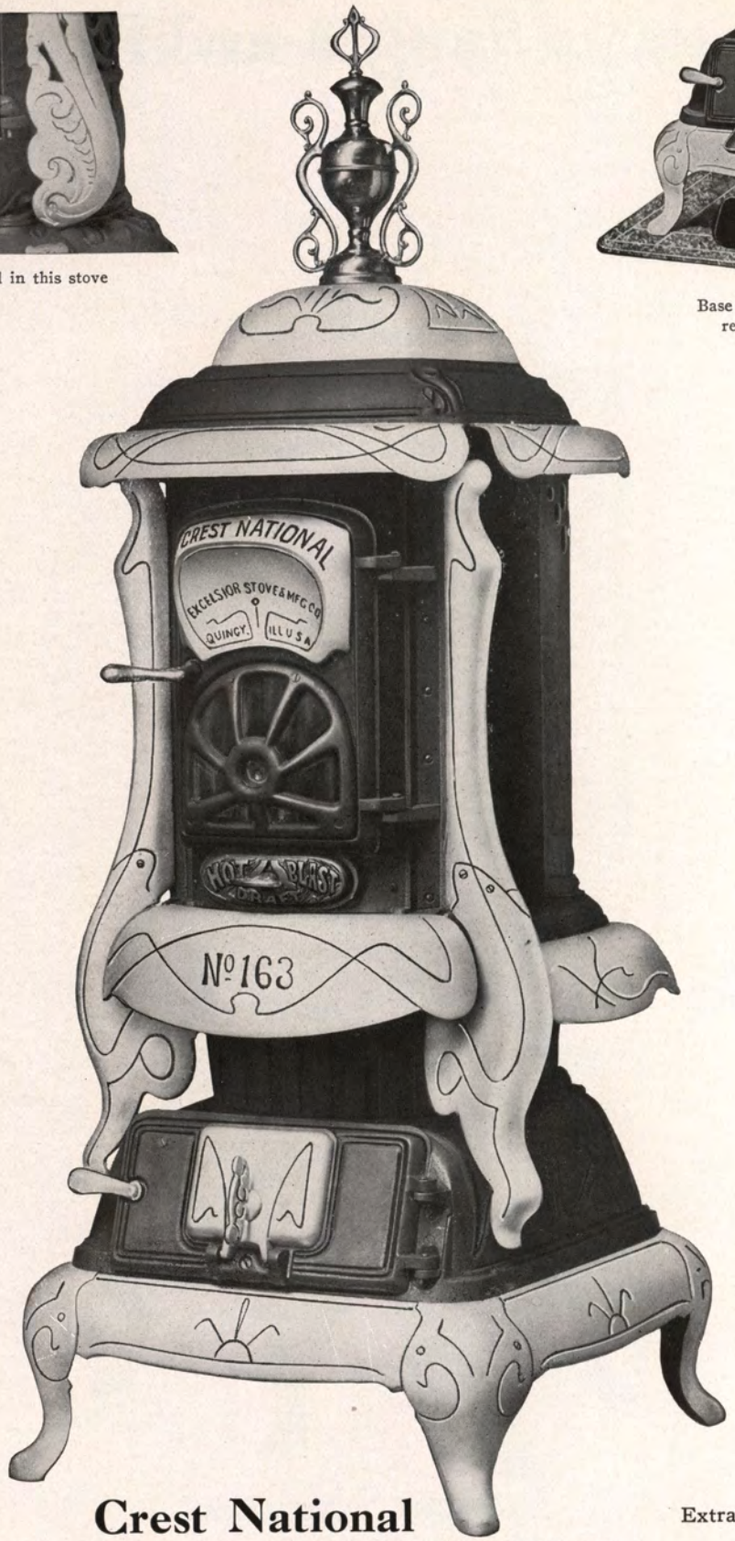
Description, Page 149

NATIONAL QUALITY AND EFFICIENCY

Showing Hot-Blast Ring used in this stove



Base showing Triangular Grate, removable cog wheel cover shown under base



For Soft or Hard Coal

Crest National

Extra Wood Grate if Desired

HOT BLAST AND AIR CIRCULATOR

Factory Number	Diameter Top of Fire Pot	Height Less Urn	Weight	List	Protection Number	Code Word	Weight	List with Hard Coal Magazine	Protection Number	Code Word
143	14 inches	49½ inches	236	**$41.75**	118797	Hydrous	243	**$44.00**	219804	Hymnal
163	16 inches	52½ inches	276	**45.50**	120485	Hyemal	284	**48.00**	221604	Hypnotic
183	18 inches	56 inches	325	**50.50**	122733	Hygelan	334	**53.00**	223856	Hyphen
203	20 inches	58 inches	377	**56.75**	125549	Hymen	389	**59.50**	226782	Hyson
Wood Grate, extra				**.75**	1343	Wooden				

Description, Page 129

NATIONAL QUALITY AND EFFICIENCY

For Soft or Hard Coal

Oakland National

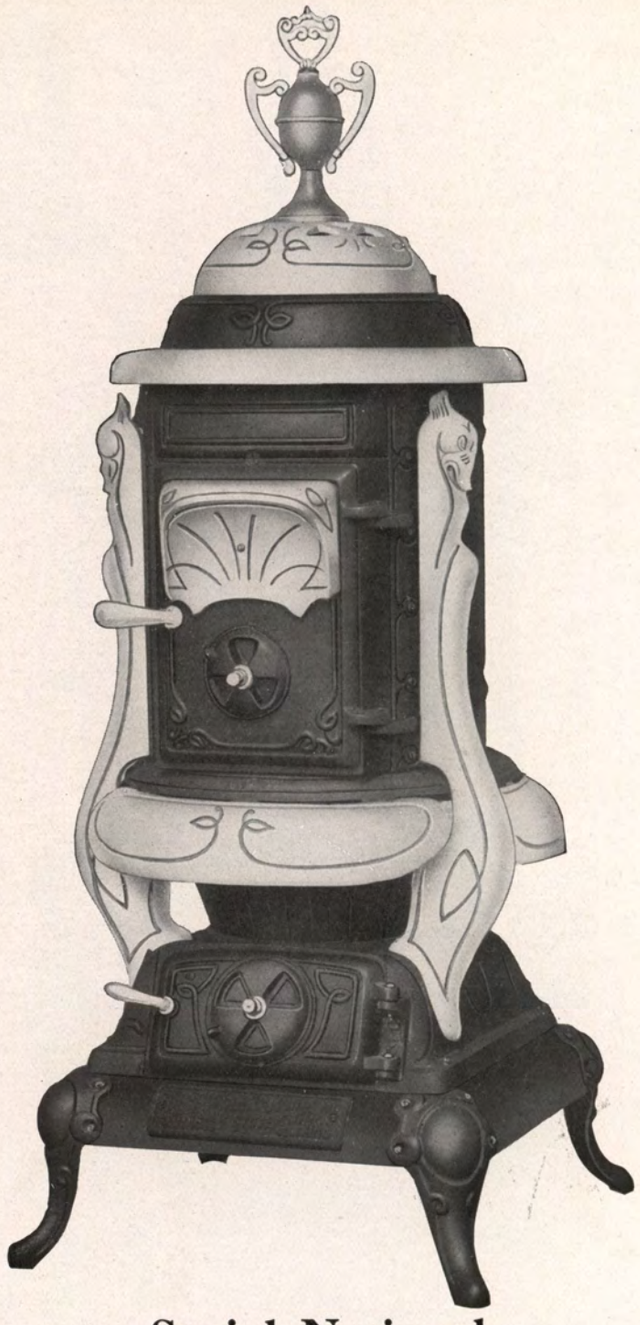
Extra Wood Grate if Desired

WITH CYCLONE BLAST DRAFT

Factory Number	Diameter Top of Fire Pot	Height Less Urn	Weight	List	Protection Number	Code Word	List with Hard Coal Magazine	Protection Number	Code Word
142	13 inches	46 inches	155	**$28.25**	312717	Hankering	**$30.50**	413736	Handicraft
162	15 inches	48 inches	175	**31.50**	314185	Hapless	**34.00**	415302	Handmaid
182	17 inches	51½ inches	210	**35.00**	315753	Happiness	**37.75**	416994	Handsaw
202	19 inches	53½ inches	240	**39.75**	317895	Harbinger	**42.50**	419138	Handspike
202½ with 1½ Section Steel Body		73½ inches	253	**44.00**	319809	Hardiness			
Wood Grate, extra							**.75**	4342	Wooden
If wanted with Plain Cast Base instead of Steel, extra							**1.00**	4456	Worse
If wanted with Nickel Cast Base instead of Steel, extra							**2.55**	41154	Worth

Description, Page 129

NATIONAL QUALITY AND EFFICIENCY



With Hot Blast Tube

Social National

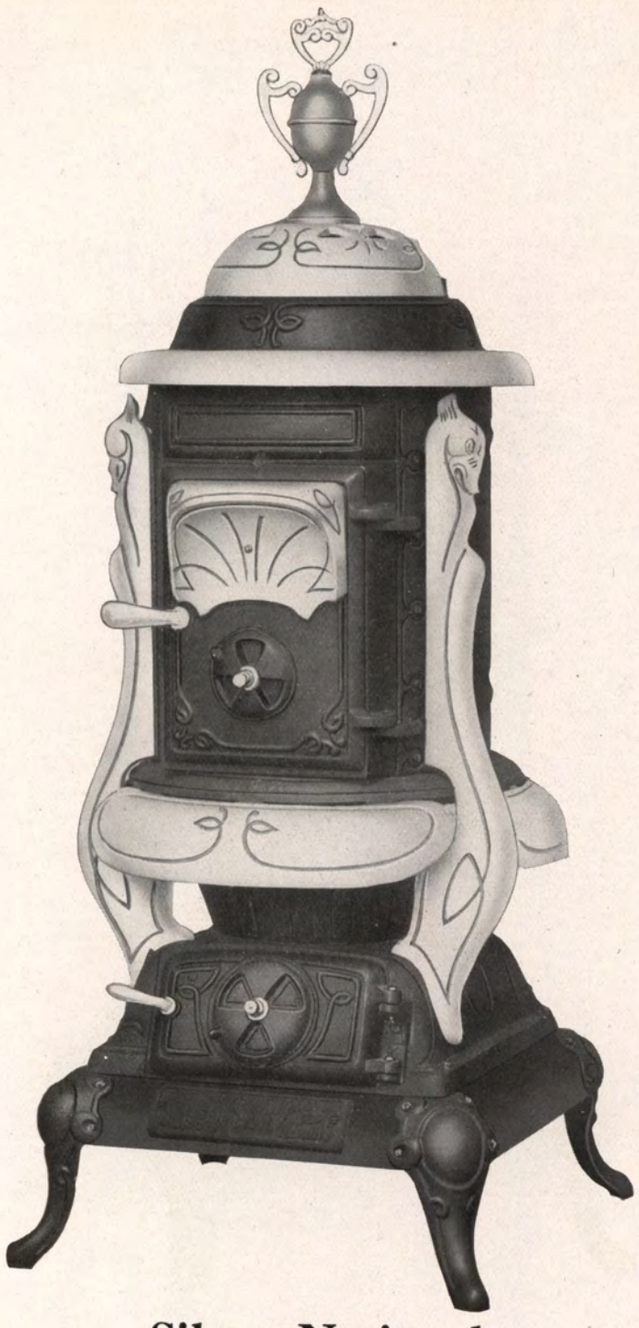
For Soft Coal or Wood

Factory Number	Diameter Top of Fire Pot	Height Less Urn	Weight	List	Protection Number	Code Word
112	10 inches	36 inches	83	**$12.75**	55747	Hurtful
132	12 inches	39 inches	93	**15.75**	57099	Hussar
152	14 inches	42 inches	113	**18.50**	58335	Hustle
172	16 inches	44 inches	138	**22.00**	59903	Hutch
192	18 inches	47 inches	153	**25.50**	511489	Huzza
Wood Grate, extra				**.75**	5347	Wooden
With Smoke Collar on back, extra				**.60**	5273	Harping

Hot Blast Heater of medium price and new design. Oscillating hot blast tube, shaking and draw center grate, cast bottom, corrugated fire pot, polished steel body and skirtings, sheet steel ash pan. Removable nickel trimmings. Can be furnished with round smoke collar on rear of body, instead of on main top.

Triple Plated Nickel Trimmings—Foot rails, pilasters, top ring, feed door panel, damper, keys and urn.

BLAST TUBE IN THIS STOVE SAME AS CALORIC NATIONAL



For Soft or Hard Coal

Silver National

Extra Wood Grate if Desired

Factory Number	Diameter Top of Fire Pot	Height Less Urn	*Weight	List	Protection Number	Code Word	List with Hard Coal Magazine	Protection Number	Code Word
112	10 inches	36 inches	80	**$12.25**	65512	Hautboy	**$14.50**	76535	Heather
132	12 inches	39 inches	90	**15.25**	66868	Hauteur	**17.75**	77993	Heating
152	14 inches	42 inches	110	**18.00**	68104	Haziness	**20.50**	79237	Heaves
172	16 inches	44 inches	135	**21.50**	69686	Headland	**24.25**	711149	Heaviness
192	18 inches	47 inches	150	**25.00**	611250	Headlong	**27.75**	712493	Hebraist
Wood Grate, extra							**.75**	7345	Wooden
With Smoke Collar on back, extra							**.60**	7277	Harping

Elaborate medium priced oak heating stove, has large feed door with smoke curtain, shaking and draw center grate, shakes through side of base, cast bottom, corrugated fire pot, polished steel body and skirtings, sheet steel ash pan. Removable nickel trimmings.

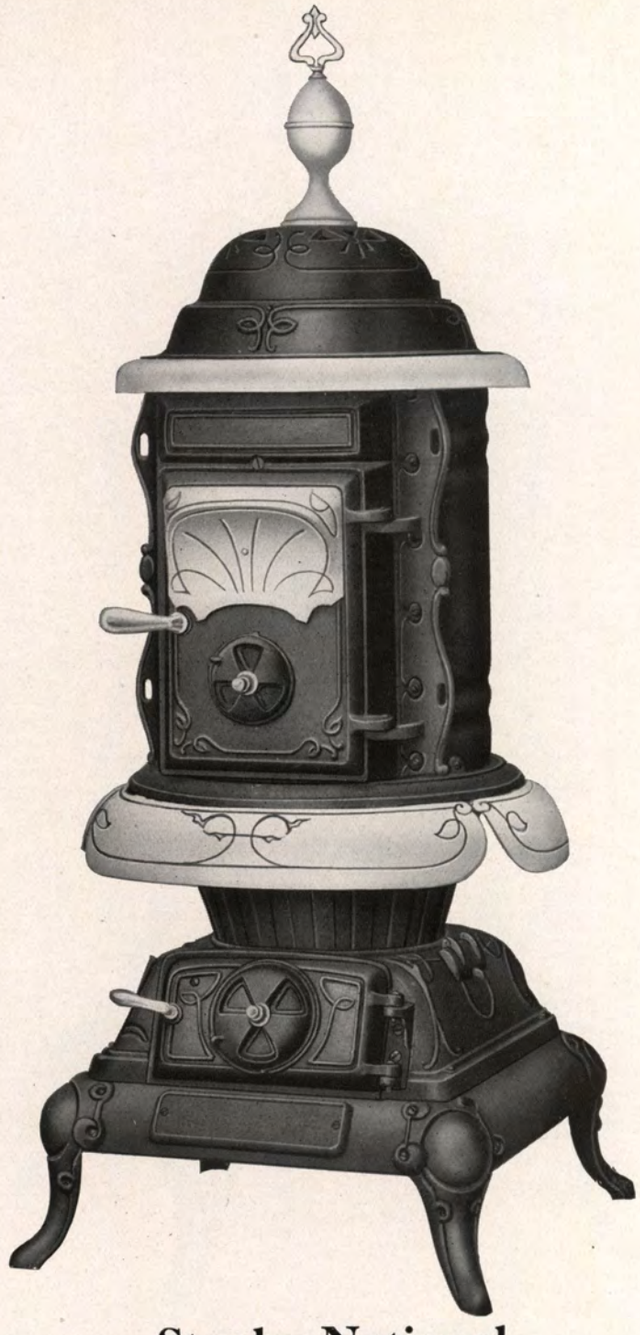
Can be furnished with round smoke collar on rear of body instead of on main top, a convenience to connect to low flue openings.

Triple Plated Nickel Trimmings—Foot rails, pilasters, top ring, feed door panel, damper, keys and urn.

Hard Coal Magazine can be used only when stove is furnished with smoke collar on back.

* Weight shown is for stove regular.

NATIONAL QUALITY AND EFFICIENCY



Sectional View, showing Natural Gas Ring attached to Staple National

Full description page 149

For Soft or Hard Coal

Staple National

Extra Wood Grate if Desired

Factory Number	Diameter Top of Fire Pot	Height Less Urn	*Weight	List	Protection Number	Code Word	List with Natural Gas Ring	Protection Number	Code Word	†List with Hard Coal Magazine	Protection Number	Code Word
112	10 inches.	36 inches.	70	**$10.00**	84502	Hectic	**$12.25**	95513	Hemisphere	**$12.25**	15526	Henchman
132	12 inches.	39 inches.	80	**13.00**	85856	Heedless	**15.50**	96989	Hemistich	**15.50**	16994	Hencoop
152	14 inches.	42 inches.	100	**15.75**	87094	Hegemony	**18.50**	98337	Hemitrope	**18.25**	18218	Henpecked
172	16 inches.	44 inches.	125	**19.25**	88664	Heighten	**22.50**	910135	Hemisap	**22.00**	19906	Herbalist
192	18 inches.	47 inches.	140	**22.75**	810248	Heinous				**25.50**	111480	Herculean
Wood Grate, extra										**.75**	1346	Wooden
With Smoke Collar on back, extra										**.60**	1278	Harping

† List with Hard Coal Magazine does not include Natural Gas Ring.

Medium priced oak, newest design, has large feed door with smoke curtain, shaking and draw center grate, shakes through side of base, cast bottom, corrugated fire pot, polished steel body and skirtings, sheet steel ash pan. Removable nickel trimmings. Can be furnished with round smoke collar on rear of body, instead of on main top, a convenience to connect with low flue openings.

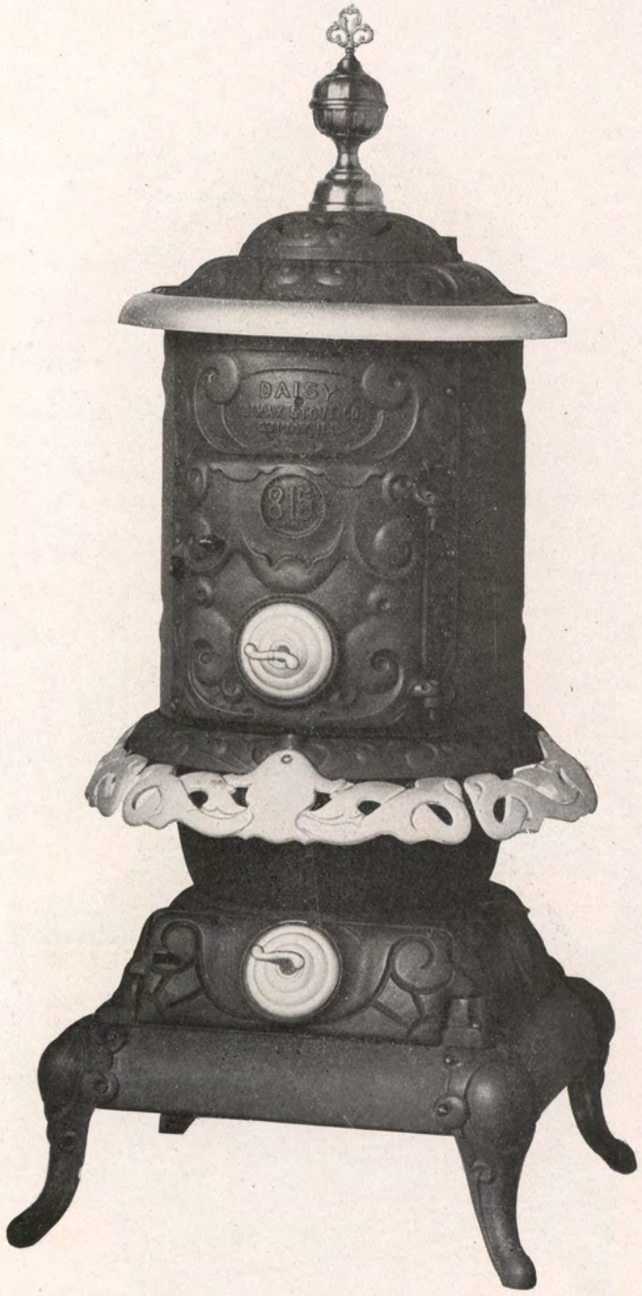
Triple Plated Nickel Trimmings—Foot rails, top ring, feed door panel, damper, keys and urn.

Hard coal magazine can be used only when stove is furnished with smoke collar on back.

* Weight shown is for stove regular.

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces



For Soft or Hard Coal

Daisy National

Low-Priced Jr. Heater

Factory Number	Diameter Top of Fire Pot	Height Less Urn	Weight	List	Protection Number	Code Word
809	8 inches	33 inches	36	$ 6.60	22975	Hereunto
811	10 inches	34½ inches	48	8.60	23877	Herewith
813	12 inches	36½ inches	63	11.25	25065	Heretable
815	14 inches	39 inches	73	13.75	26199	Hereof
817	16 inches	41 inches	100	16.75	27543	Heroine
Ash Pan, each, extra				.30	2157	Worthy

Blue steel body, shaking and dump grate, self-locking, in No. 809; all other sizes have draw center grate, shakes through side of base, swing top, deep fire pot, steel skirtings, steel bottom (heats the floor), nickel trimmings, three foot rails, screw dampers, urn and top ring.

NATIONAL QUALITY AND EFFICIENCY

For Soft or Hard Coal

Parlor National

Extra Grate for Wood if Desired

Factory Number	Diameter Top of Fire Pot	Height Less Urn	Weight	List	Protection Number	Code Word
518½	18 inches	65 inches	265	$44.50	320034	Heptagon
520½	20 inches	67 inches	322	51.00	322958	Heraldic
Wood Grate, extra				.75	3346	Wooden

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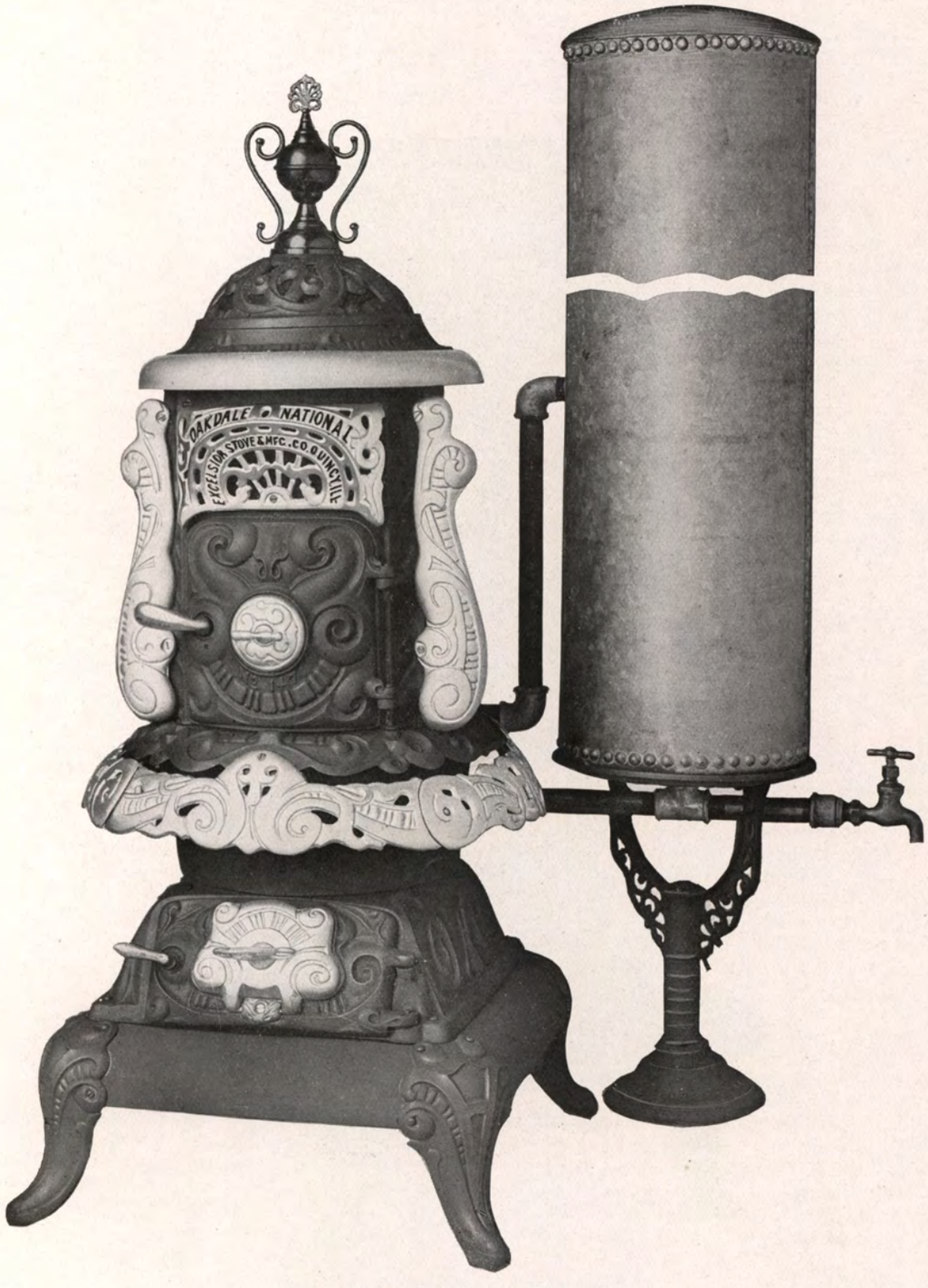
NATIONAL QUALITY AND EFFICIENCY



For Soft or Hard Coal

Oakdale National

Extra Grate for Wood if Desired

Factory Number	Diameter Steel Body	Height Less Urn	Weight	List	Protection Number	Code Word
147	12 inches	45 inches	165	**$39.50**	417787	Huckster
Wood Grate, extra				**.75**	4345	Wooden

Description, Page 149

Note—Price does not include the Pressure Boiler or Pipe Connections.

NATIONAL QUALITY AND EFFICIENCY

Excelsior Stove & Manufacturing Company

All Cast

Depot National

For Coal

Factory Number	Diameter Fire Pot	Height	Weight	List	Protection Number	Code Word
19	19 inches	43½ inches	250	$36.00	516202	Harp
21	21 inches	46½ inches	308	42.50	519136	Harper

The Depot National has a large feed door, shaking and dumping grate. It has a broad flat top, which provides a warming space. It is made extra heavy throughout, and is just the thing for depots, offices, warehouses and other places where stoves are subjected to hard usage.

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces

Caloric National

WITH HOT BLAST TUBE — FOR SOFT OR HARD COAL

Extra heavy body of blue polished mirror finish steel, solid cast linings, one-piece fire pot supported on cast iron posts, shake and draw center grate, solid cast bottom, cast top bolted outside the body and easily removed, one-piece upper fire pot to protect the body, extra large top pouch feed opening, reversible smoke collar, a convenience to fit pipe to low flue opening, oscillating hot blast tube. The upper front draft is a check draft to retain slow fire. Large sheet steel ash pan; body is seated into the bottom in asbestos cement and firmly bolted. Mounted without rods.

Triple Plated Nickel Trimmings.—Foot rails, upper draft, top ring, front damper, swing top, urn, poker, keys and knobs.

Perfect National

HOT BLAST DOWN DRAFT — FOR SOFT OR HARD COAL

This stove is like our Caloric National, excepting it has full cast front and front swing feed door. The Hot Blast tube is omitted. The Hot blast damper is under the feed door and draft is supplied to the blast ring direct. Large steel ash pan, screw draft dampers.

Triple Plated Nickel Trimmings.—Two side foot-rails, front rail, dampers, ash guard, pilasters, name plate, top ring, swing top, urn, poker, keys and knobs.

Oakdale National

FOR HARD COAL, SOFT COAL OR WOOD

High-grade heating stove, heavy and substantial in all parts, fitted perfectly, and an exceptionally good fire keeper. Polished hard steel body with overlapping flanges, where it is fitted to the cast front. Will never warp between the bolting places. Connected to the fire pot with our self-sealing joint. The entire fire pot is made to heat water connected to a pressure boiler. A divide inside the water space makes perfect circulation, without noise, and heats a large amount of water.

This stove is especially adapted for barber shops and garages. It will heat water for lavatories and baths in addition to providing the required heat for the rooms. The body is lined with cast iron three inches above the fire pot.

Improved pattern shaking and draw center grate, shakes through base door damper opening, grate removable without taking stove apart. Solid one-piece base, cast iron bottom, polished steel skirtings, large sheet steel ash pan, smoke curtain and check damper in feed door, bar lock on base door and fire door, extra large flat top surface provided with griddle hole.

Triple Plated Nickel Trimmings.—Top ring, name plate, pilasters, foot rails, dampers, keys and elaborate urn.

Unique National

WITH ELEVATED OVEN — FOR SOFT OR HARD COAL

A perfect baking elevated oven with drop oven door and wire supports when open, nickel turnkey at top, two wire oven racks, flue clean-out openings to all flues. All the products of combustion pass up through the 7-inch stovepipe to the oven, which is provided with a dividing flue strip in the bottom flue, which diverts the heat current absolutely into two equal parts, and forces an even distribution around the oven to the outlet pipe at the top. The entire oven and brackets are finished in dead black wrought iron color. Stove has four 8-inch cooking holes with loose covers and centers, draw center grate, cast side shelves, large steel ash pan, steel bottom and skirtings, corrugated fire pot, nickel damper, name plate and oven trimmings.

Natural Gas Ring

This consists of a two-part ring adapted expressly for using natural gas. Designed to fit between the fire pot and base. The gas orifices are drilled perfectly true to size. The gas inlet is on a tangent line with the curved ring, which induces a free distribution of gas throughout the entire ring. An overhanging edge protects the gas orifices from ashes entering the gas ring when coal fire is used. This arrangement permits the use of coal at any time that the gas supply fails from any cause.

Excelsior Stove & Manufacturing Company

All Cast

Station National

For Coal or Wood

Factory Number	Diameter Top Fire Pot	Height	Weight	List for Coal	Protection Number	Code Word	Weight	List for Wood	Protection Number	Code Word
20	20 inches	54 inches	526	**$ 66.00**	629707	Heal	526	**$ 66.00**	729694	Headway
24	24 inches	60 inches	780	**103.00**	646355	Heam	780	**103.00**	746342	Health
20D	20 inches	74 inches	570	**71.75**	632293	Hearse	570	**71.75**	732288	Hearsay
24D	24 inches	84 inches	790	**110.00**	649505	Heart	790	**110.00**	749496	Hearth
Wood Grate, extra				**3.50**					71582	Wooden

Note—D indicates this stove with steel drum.

The Station National is as large and powerful as a furnace. It is made extra strong to stand heavy usage in railroad stations, stores, warehouses, etc. The entire body is made of cast iron. It is provided with double feed doors, draw center grate, griddle hole in top. Grate shakes through side of base.

Size of double feed door openings

No. **20**.....11x16½ inches No. **24**.....13x20½ inches

NATIONAL QUALITY AND EFFICIENCY

Nos. 20D and 24D

Station National

See Prices Opposite Page

LARGEST STOVE MADE IN THE WORLD

Excelsior Stove & Manufacturing Company

Cannon National

FOR COAL

Factory Number	Diameter Fire Pot	Height	Weight	List	Protection Number	Code Word
14	10½ inches	37 inches	95	$13.50	86085	Holdfast
16	12 inches	39 inches	120	15.75	87097	Holiday
18	13½ inches	40½ inches	145	19.25	88669	Hollands
20	16 inches	50 inches	210	24.00	810803	Homestead
22	19 inches	54 inches	290	31.00	813957	Homeward

A smooth finish cannon stove, has shaking and dump grate, slide draft ring, large ash space, flat top with cover hole, arranged to use sheet steel drum if desired.

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces

Globe National

FOR COAL

Factory Number	Diameter Fire Pot	Height	Weight	List	Protection Number	Code Word
3	9 inches	22 inches	34	$ 5.50	92484	Hardly
4	10 inches	24 inches	42	6.75	93048	Hardy
5	11 inches	26 inches	50	8.50	93832	Hare
6	12 inches	29 inches	66	10.00	94506	Hydra
7	13 inches	31 inches	79	11.50	95180	Hark

Our Globe National is a very handsome pattern in cheap cannon stoves. It is made of the same grade of material and workmanship as all National goods, which insures a neat casting and good fittings. Sheet steel drum may be mounted on these stoves without the use of extra ring.

NATIONAL QUALITY AND EFFICIENCY

Excelsior Stove & Manufacturing Company

Cast Cook With Four Holes

Unique National

WITH ELEVATED OVEN
FOR SOFT OR HARD COAL

All Steel Oven

Factory Number	Holes	Oven	Cooking Surface	Weight	List	Protection Number	Code Word
48	Four 8 inch	18x16x12	23x26	154	$26.75	112045	Holly

Height to cooking surface ..... 25½ inches
Height to oven bottom ..... 43½ inches
Height to top of oven ..... 59 inches

See Description, Page 149

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces

Confect National

FOR COKE OR COAL

Factory Number	Height of Stove	Weight	List	Protection Number	Code Word
11	29 in	112	$21.00	29468	Hover

	Diameter Fire Pot Inside	Depth Fire Pot	Diameter Top
11	9 in	11 in	16½ in.

Improved confectioners' stove, made with fire brick linings, shaking and draw center grate, large sheet steel ash pan. The top is provided with a 7½-inch cover and ring section to make an 11-inch kettle hole. It has a revertible flue in top section to control the fire to a desired degree. Very heavy and substantial.

Ivy National

FOR COAL

Factory Number	Holes	Weight	List	Protection Number	Code Word
82	Two 8 in.	138	$21.00	39457	Howlet

	Height of Stove	Top Space
82	26 in	15x22½

Gallons of water heated per hour.....75
Square feet direct radiation.....50

A laundry and garage stove with water-heating fire pot. The entire fire pot is made to heat water connected to a pressure boiler. A divide inside the water space makes perfect circulation without noise and heats a large amount of water. Provided with sheet steel ash pan, steel base, cast bottom.

Note—Price does not include the pressure boiler or pipe connections.

Excelsior Stove & Manufacturing Company

Joy National

FOR COAL

Factory Number	Holes	Weight	List	Protection Number	Code Word
80	Two 8 in.	39	$5.00	42256	Habitude

	Diam. Top of Fire Pot	Height of Stove	Top Space
80	9¼	19½	11½x19½

A first-class cheap laundry stove, has dumping grate, swing feed and ash door, sheet steel bottom, large ash space.

Charm National

FOR COAL

Factory Number	Holes	Weight	List	Protection Number	Code Word
7	Two 7 in.	60	$6.50	52937	Habeas
83	Two 8 in.	60	6.50	52935	Habit
38	Two 8 in.	68	7.25	53269	Hack

	Diam. Top of Fire Pot	Height of Stove	Top Space
7	10½	21½	15x21
83	10½	21½	15x21
38	12	21½	15x21

Large tops, fancy base, cone center grate or draw center grate, corrugated fire pot, extra large feed door, large ash pit. Cone center grate shipped unless otherwise ordered.

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces

Charm National

FOR COAL

Factory Number	Holes	Weight	List	Protection Number	Code Word
72	Two 7 in	70	$7.75	63498	Haggler
86	Two 8 in	70	7.75	63494	Hail
68	Two 8 in	78	8.50	63832	Hair

	Diam. Top Fire Pot	Height of Stove	Top Space
72	10½	23	15x21
86	10½	23	15x21
68	12	23	15x21

Large tops, fancy base, cone center grate or draw center grate, extra large ash pit. Cone center grate shipped unless otherwise ordered. Will hold eight covers, any shape.

Tip-Top National

FOR COAL

Factory Number	Holes	Weight	List	Protection Number	Code Word
83	Two 8 in	71	$7.50	73389	Hush
82	Two 8 in	81	8.50	73835	Holm

	Diam. Top Fire Pot	Height of Stove	Top Space
83	10¼	22	14½x20½
82	11	22½	15x22½

This is an extra large laundry stove, mounted on steel skirtings; it has shaking and draw center grate, swing feed door.

TIP-TOP WITH THE EXTRA LARGE TOP

Excelsior Stove & Manufacturing Company

Charm National

FOR COAL

Factory Number	Holes	Weight	List	Protection Number	Code Word
77	Four 7 in.	85	$10.25	84602	Hackle
84	Four 8 in.	85	10.25	84606	Hackney

	Diam. Top of Fire Pot	Height of Stove	Top Space
77	12	21½	21½x21½
84	12	21½	21½x21½

Large tops, fancy base, cone center or draw center grate, corrugated fire pot, extra large ash pit. Cone center grate shipped unless otherwise ordered.

Charm National

FOR COAL

Factory Number	Holes	Weight	List	Protection Number	Code Word
70	Four 7 in.	85	$11.25	95063	Hairless
89	Four 8 in.	85	11.25	95067	Hairy

	Diam. Top of Fire Pot	Height of Stove	Top Space
70	12	23	21½x21½
89	12	23	21½x21½

Large tops, fancy base, cone center grate or draw center grate, extra large ash pit. Cone center grate shipped unless otherwise ordered. Will hold eight irons, any shape.

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces

Tip-Top National

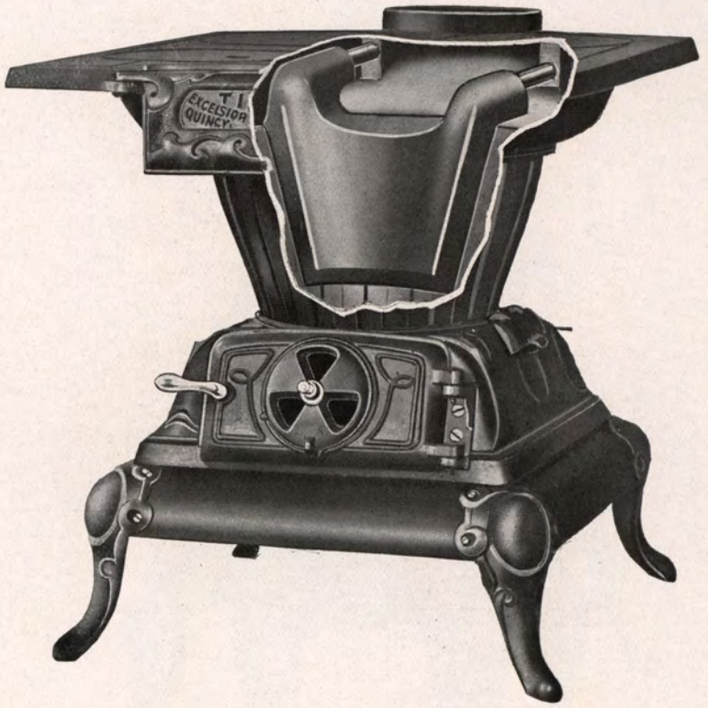
FOR COAL

Factory Number	Holes	Weight	List	Protection Number	Code Word
84	Four 8 in.	115	$13.25	15968	Hortos
	Water Back fitted, extra		4.75	12142	Wily
	Water Back separate, extra		4.75	12146	Wince

Diameter Top of Fire Pot ..... 13½ in.
Height of Stove ..... 25 in.
Top Space 22½x23½

Unless otherwise ordered, we ship stoves without the water back. If ordered with water back fitted, we drill the necessary water pipe holes through the stove.

Capacity water back, gallons per hour 50



Sectional View
Showing Water Back attached

National Steel Laundry

FOR COAL OR WOOD

Factory Number	Holes	Top Surface	Height of Stove	Fire Box	Weight	List	Protection Number	Code Word
888	Two 8-inch	15x29	28 inches	8x17	180	$28.25	112716	Hostage
	Water Coil, extra					6.00	12700	Wattle

Extra heavy steel body, duplex grate, drop feed door. Holds eight irons on sides. Extra heavy linings. Steel ash pan. Accommodates common or Mrs. Potts' irons.

NATIONAL QUALITY AND EFFICIENCY

Excelsior Stove & Manufacturing Company

Charm National

FOR COAL

Factory Number	Holes	Weight	List	Protection Number	Code Word
27	Two 7 in	84	**$11.75**	25295	Hag
28	Two 8 in	84	**11.75**	25293	Hasp

	Diam. Top of Fire Pot	Height of Stove	Top Space
27	12	30½	15x21
28	12	30½	15x21

Will hold eight irons, either common or pointed. This is the only laundry stove on the market that will hold any shape sadiron. Large tops, fancy base, cone center grate or draw center grate, corrugated fire pot, extra large ash pit. Cone center grate shipped unless otherwise ordered.

Charm National

FOR COAL

Factory Number	Holes	Weight	List	Protection Number	Code Word
71	Two 7 in	90	**$13.00**	25867	Halberd
81	Two 8 in	90	**13.00**	25865	Halcyon

	Diam. Top of Fire Pot	Height of Stove	Top Space
71	12	32	15x21
81	12	32	15x21

Will hold sixteen irons, either common or pointed. This is the only laundry stove on the market that will hold any shape sadiron. Large tops, fancy base, cone center or draw center grate, extra large ash pit. Cone center grate shipped unless otherwise ordered.

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces

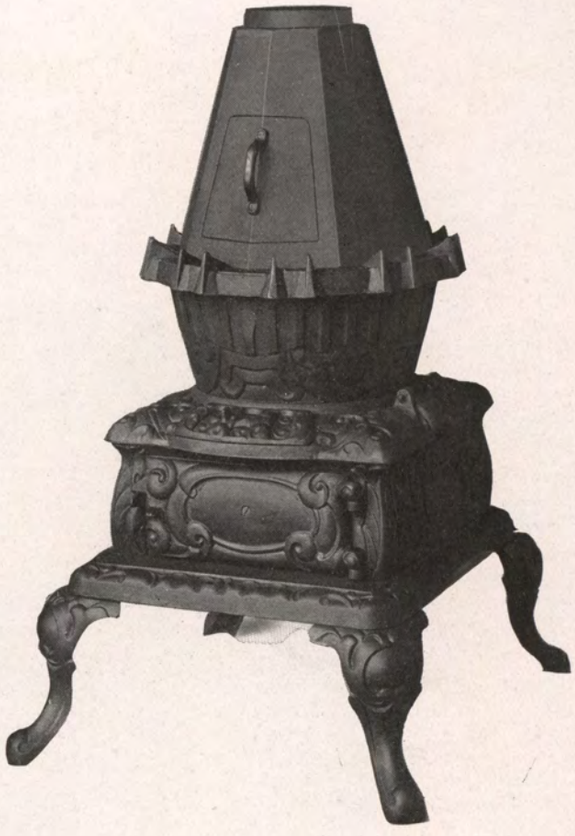
Tailor

FOR COAL

Factory Number	Height	Weight	List	Protection Number	Code Word
8	33 in	93	$13.75	36194	Hatred
9	36 in	108	15.75	37098	Hatter

	Diameter Fire Pot	Number of Irons
8	12 in	8
9	14 in	9

This is a new design tailor stove, and especially adapted for the purpose. It is made with shaking and draw center grate, and has extra large ash pit. It will accommodate the very largest size tailor goose irons. **No other tailor stove quite as good as this.**



Tailor

FOR COAL

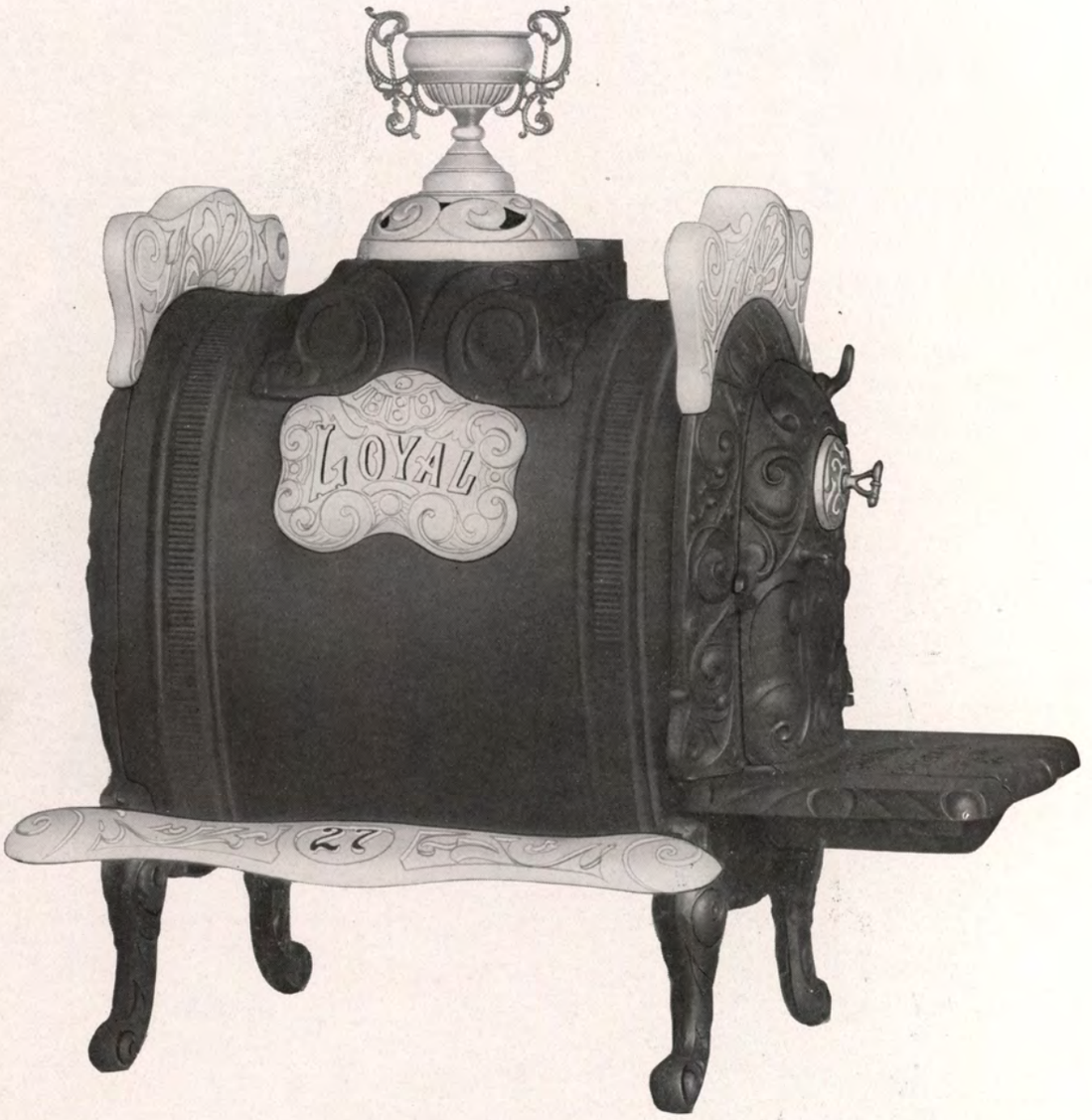
Factory Number	Height	Weight	List	Protection Number	Code Word
98	39	127	$17.50	37882	Hatches
99	42	152	19.50	38786	Hatchway

	Diameter Fire Pot	Number of Irons
98	12 in	8
99	14 in	9

This stove is the same as shown above except that it is provided with an oval top, which has two 8-inch holes and short center, adapted for the use of a wash boiler.

NATIONAL QUALITY AND EFFICIENCY

Excelsior Stove & Manufacturing Company



With American Russia Body

Loyal National

For Wood Only

Factory Number	Length Wood	Weight	List Mounted Complete	Protection Number	Code Word	Weight	List for Castings only	Protection Number	Code Word
23	21 inches	143	**$22.50**	410135	Emulation	128	**$18.25**	48215	Enable
25	23 inches	150	**23.00**	410357	Emulative	132	**18.75**	48449	Enact
27	25 inches	167	**26.00**	411709	Emulator	146	**21.75**	49797	Enactive
29	27 inches	170	**26.50**	411933	Emulous	157	**22.25**	410013	Enamel
31	29 inches	174	**27.00**	412157	Emulsion	160	**22.75**	410247	Enameler

Prices for castings only include bolts, rods and all nickel parts. Mounted stoves shipped unless otherwise ordered. Triple plated nickel trimmings, consist of urn, swing top, name plate, top ornaments, foot rail, damper and keys.

See Description, Page 163

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces

Loyal National

HOT BLAST DOWN DRAFT

FOR WOOD ONLY

Linings are extra heavy, and cast in three sections, which can be mounted in or taken out after the stove is put together. Automatic damper operates in conjunction with the door; the damper rod extends through the front of the stove, accessible to the operator when it is desired to use the damper independently.

Reversible Collars.—The smoke collar on these stoves can be set either in a horizontal or vertical position, which facilitates the pipe fittings.

Draft damper is located in the top of feed door, and has inside cast duct extending down to the hearth line, which produces hot blast. The hearth slide can be drawn out to admit lower draft. Every stove is provided with a smoke curtain at the top of feed door. This, in connection with the automatic damper, prevents any liability of smoke escaping when the feed door is opened.

Triple Plated Nickel Trimmings.—Double faced front and back top ornaments, swing top, urn, name plate, foot-rails and keys.

Elwood National

FOR WOOD ONLY

An elaborate parlor stove for wood, with all the latest improvements that make for comfort and convenience. Large end feed door, ash door and ash pan, cast grate and cast linings, cast top and bottom, reversible smoke collar to accommodate low chimney flues. Heavy polished steel body and four ventiduct flues on the corners that take the cold air off from the floor and discharges out of the top. Mica in front, extra strong wood grate, check damper in top, ventiduct flues are removable, draft enters over the grate. The top is provided with one 8-inch cover, legs bolted on.

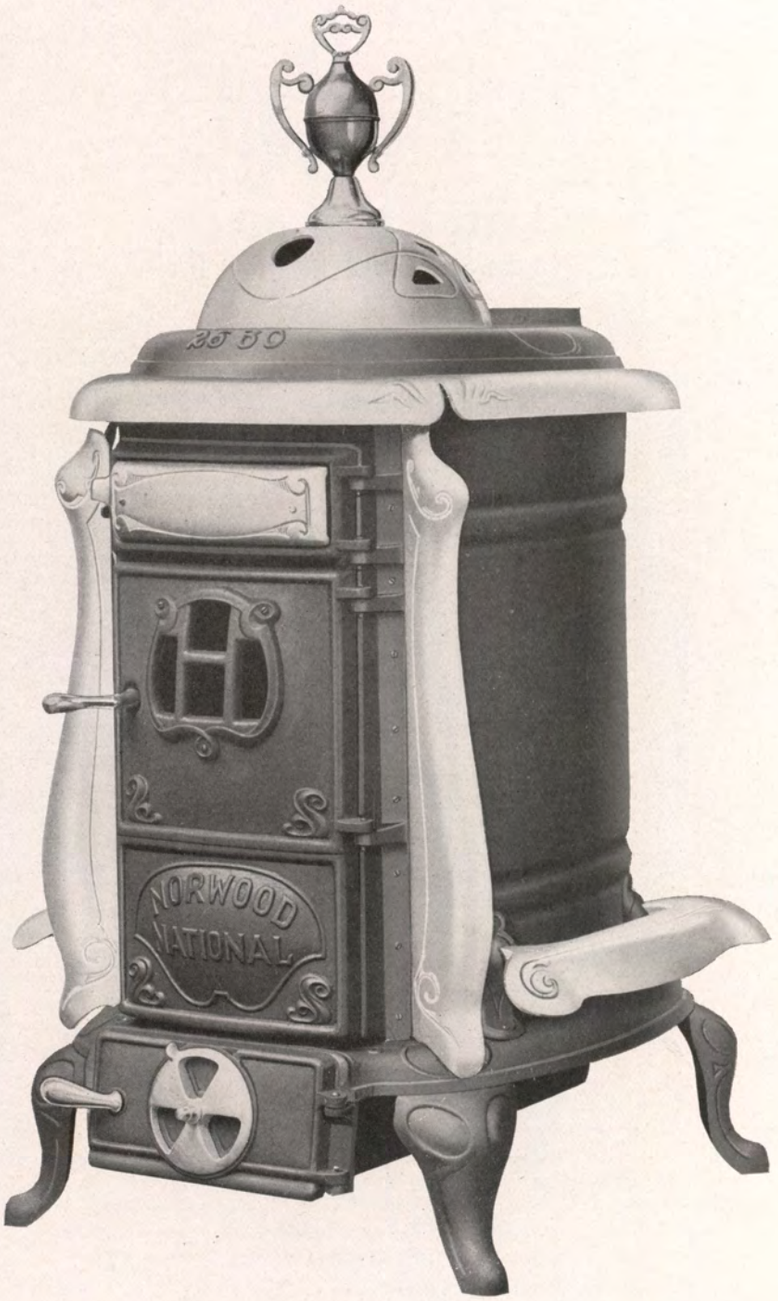
Triple Plated Nickel Trimmings.—Swing top, front top edge, foot rail, name plate, keys and elaborate urn.

Norwood National

FOR WOOD ONLY

This is the last word in parlor wood stoves. The construction covering every feature that can make it of the highest possible class for efficiency, durability and convenience. It is made with heavy polished steel body, solid cast iron linings which are demountable. An extra long and deep ash pit provided with a large strong steel ash pan. Loose bottom wood grate, double fire doors, deep cast top with deflector and check damper. The No. 21-24 and 24-27 are provided with one 9-inch cover, the No. 26-30 has two 7-inch covers and one loose center. Handsome demountable nickel trimmings. The bodies of these stoves are extra high, which provides additional radiating surface and permits the use of extra long wood.

Excelsior Stove & Manufacturing Company



Blue Polished Steel Body

Norwood National

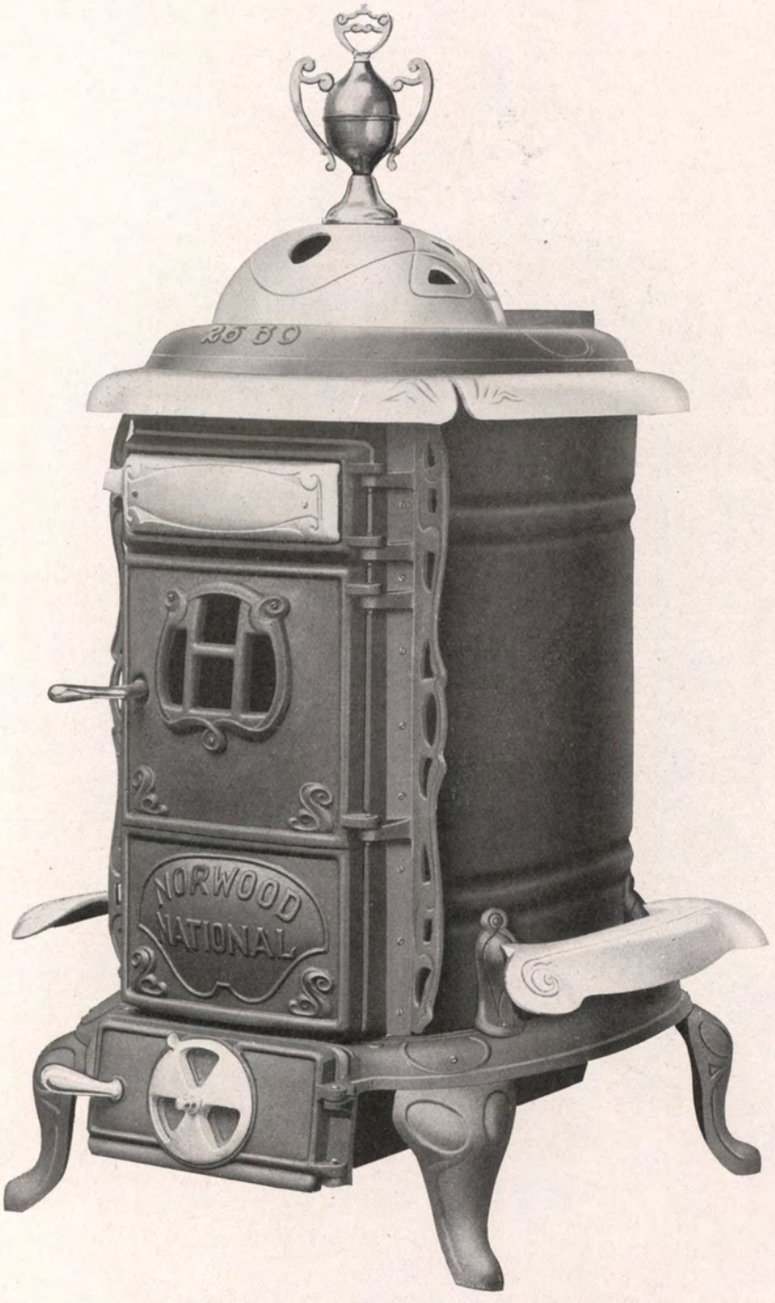
For Wood Only

Factory Number	Length	Width	Height Lining	Height Inside Body	Weight	List	Protection Number	Code Word
21-24N	21 inches	15 inches	11 inches	24 inches	180	**$23.50**	510582	Estimable
24-27N	23 inches	17 inches	12½ inches	27 inches	200	**27.25**	512266	Estimation
26-30N	25½ inches	19 inches	14 inches	30 inches	230	**31.25**	514068	Estival

Description, Page 163

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces



Blue Polished Steel Body

Norwood National

For Wood Only

Factory Number	Length	Width	Height Lining	Height Inside Body	Weight	List	Protection Number	Code Word
21-24P	21 inches	15 inches	11 inches	24 inches	175	$22.00	69907	Esplanade
24-27P	23 inches	17 inches	12½ inches	27 inches	195	25.75	611599	Esteem
26-30P	25½ inches	19 inches	14 inches	30 inches	225	29.75	613395	Esthetic

Description, Page 163

NATIONAL QUALITY AND EFFICIENCY

Excelsior Stove & Manufacturing Company

Blue Polished Steel Body

Prime National

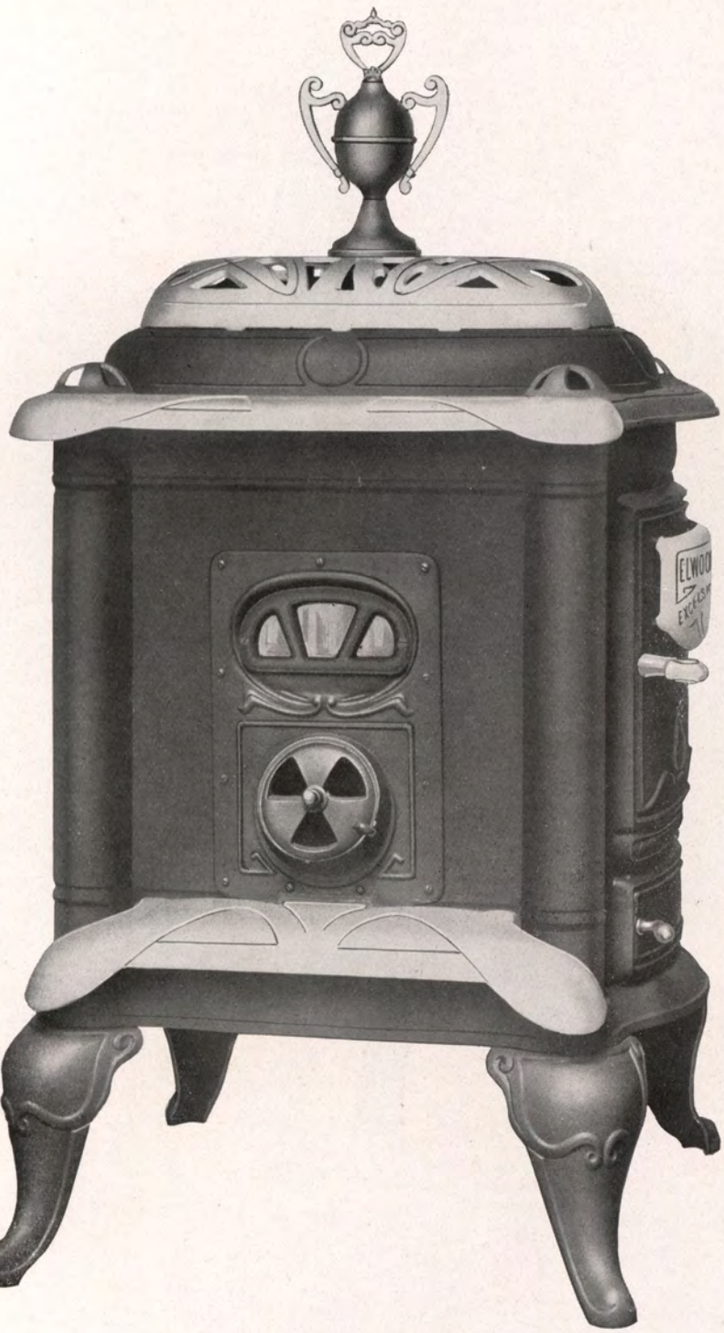
For Wood Only

Factory Number	Length	Width	Height Less Urn	Weight	List with Nickel Top Ring	Protection Number	Code Word	List without Nickel Ring	Protection Number	Code Word
21	21 inches	16 inches	35½ inches	124	$19.10	78604	Else	$17.50	77882	Entasia
26	26 inches	18 inches	38 inches	139	22.10	79952	Elope	20.25	79118	Entastic

Made with cast bottom, top and front. Steel lining. Cooking cover under swing top.
Triple Plated Nickel Trimmings—Urn, name plate, foot rails and keys.
Always shipped without Nickel Top Ring unless otherwise ordered.

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces



End View
Showing large feed door and ash pan

Blue Polished Steel Body

Elwood National

For Wood Only

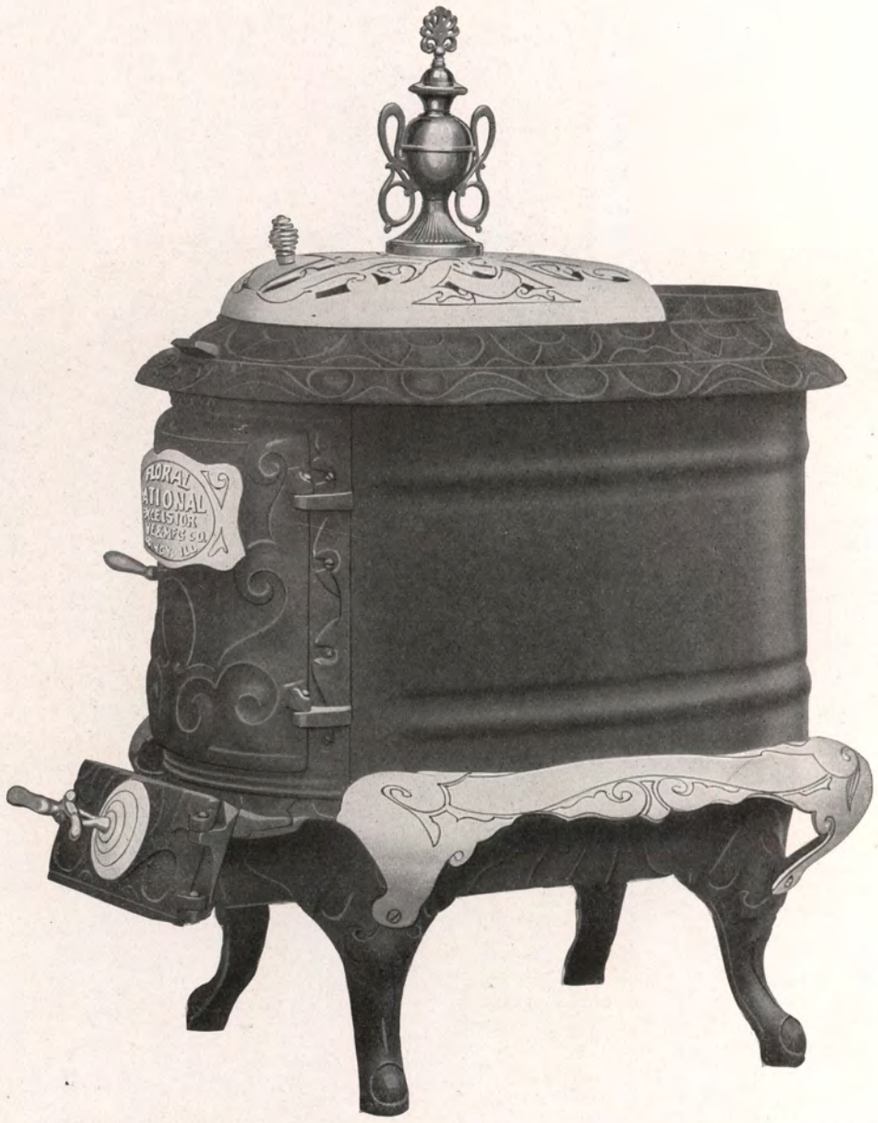
Factory Number	Length	Width	Height Less Urn	Weight	List	Protection Number	Code Word
18	18 inches	14	31	145	**$18.00**	88105	Errand
21	21 inches	16	34	165	**21.50**	89689	Erratic
24	24 inches	17	37	200	**25.00**	811257	Errhine

Description, Page 163

NATIONAL QUALITY AND EFFICIENCY

Excelsior Stove & Manufacturing Company

Showing stove with extra wood grate



With Swinging Top

Floral National

For Wood Only

Factory Number	Holes	Length Wood	Height Less Urn	Weight	List	Protection Number	Code Word	List With Wood Grate	Protection Number	Code Word
186N	One 7 inch	18 inches	25 inches	76	**$11.75**	95294	Epigraph	**$13.10**	95908	Epitaph
226N	One 8 inch	22 inches	27 inches	90	**13.75**	96190	Epilepsy	**15.35**	96916	Epithet
256N	One 8 inch	25 inches	28½ inches	98	**15.75**	97092	Epilogue	**17.60**	97924	Epitome
286N	Two 7 inch	28 inches	30½ inches	122	**17.75**	97996	Epiphany	**20.15**	99070	Epoch

Always shipped without Wood Grate unless otherwise ordered.

Made with extra heavy blue steel body, deep solid one-piece cast corrugated bottom, large swinging ash door, steel body mounts inside the cast bottom, cast lining all around the inside lower edge of steel body, mounted without rods, legs and rails bolt on, swinging top, large feed opening, cast front and door.

DESCRIPTION OF WOOD GRATE

Wood grate consists of a heavy flat false bottom supported above the ash door and designed as a support for the fuel. Perforations allow ashes to fall away from the fire into the lower pit. This maintains a clean fire at all times and allows the ashes to be removed without disturbing the fire.

Nickel Trimmings—Urn, swing top, foot rails, name plate, damper and keys.

National Stoves, Ranges and Furnaces

Showing stove with extra wood grate

With Swinging Top

Floral National

For Wood Only

Factory Number	Holes	Length Wood	Height	Weight	List	Protection Number	Code Word	List With Wood Grate	Protection Number	Code Word
186P	One 7 inch.	18 inches.	23 inches.	65.	$ 9.00.	14057.	Epicure.	$10.35.	14669.	Epode
226P	One 8 inch.	22 inches.	25 inches.	75.	10.25.	14613.	Epidemic.	11.85.	15337.	Equable
256P	One 8 inch.	25 inches.	26½ inches.	82.	11.75.	15295.	Epigeal.	13.60.	16123.	Equalize
286P	Two 7 inch.	28 inches.	28½ inches.	96.	13.25.	15969.	Epigram.	15.65.	17043.	Equally
	Nickeled Foot Rails No. 186, per pair, extra							1.35.	1627.	Woily
	Nickeled Foot Rails No. 226, per pair, extra							1.65.	1759.	Wollen
	Nickeled Foot Rails No. 256, per pair, extra							1.95.	1885.	Wolfel
	Nickeled Foot Rails No. 286, per pair, extra							2.25.	11023.	Woodblue

Always shipped without Wood Grate unless otherwise ordered.

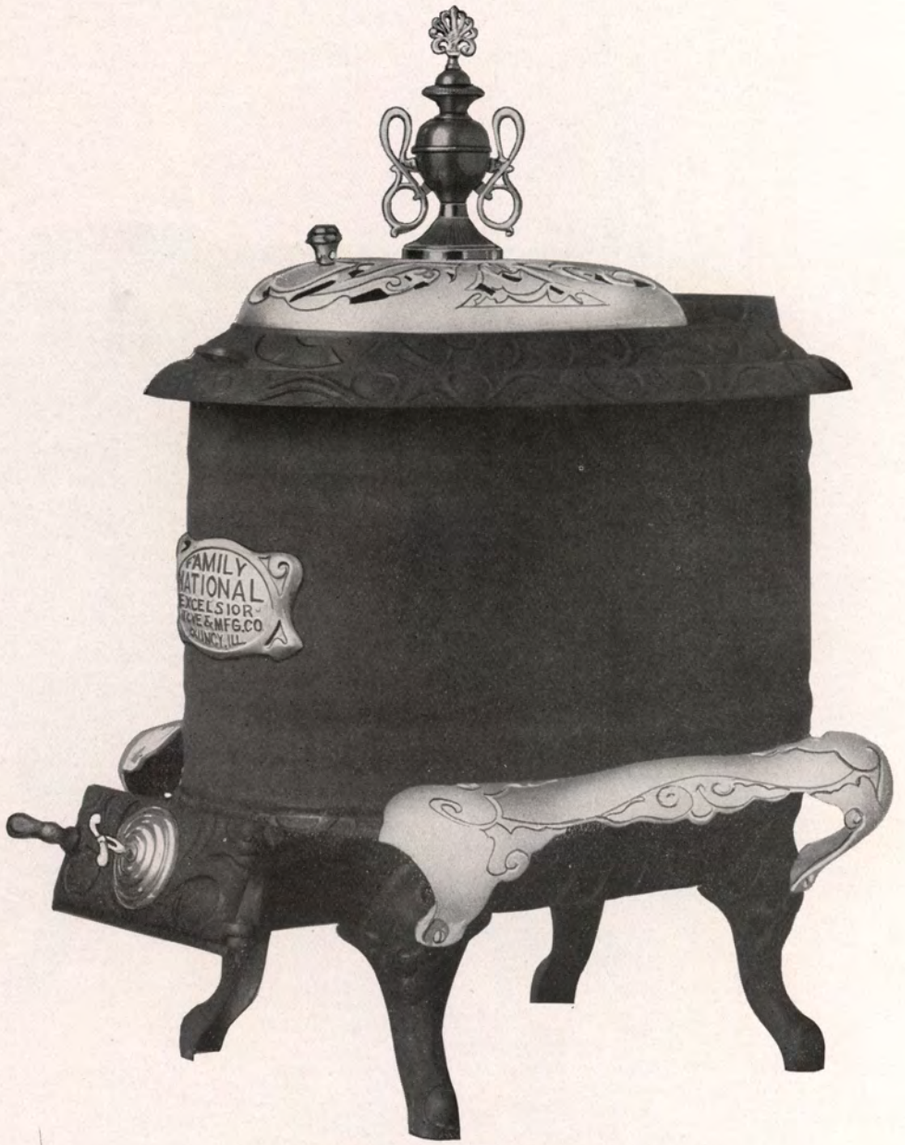
Made with extra heavy blue steel body, deep solid one-piece cast corrugated bottom, large swinging ash door, steel body mounts inside the cast bottom, cast lining all around the inside lower edge of steel body, mounted without rods, legs bolt on, swinging top, large feed opening, cast front and door.

DESCRIPTION OF WOOD GRATE

Wood grate consists of a heavy flat false bottom supported above the ash door and designed as a support for the fuel. Perforations allow ashes to fall away from the fire into the lower pit. This maintains a clean fire at all times and allows the ashes to be removed without disturbing fire.

Nickel Trimmings—Name plate, damper and keys.

Excelsior Stove & Manufacturing Company



Family National

With Swinging Top — **For Wood Only**

Factory Number	Holes	Length of Wood	Height Less Urn	Weight	List	Protection Number	Code Word	List With Wood Grate	Protection Number	Code Word
186N	One 7 inch	18 inches	25 inches	71	**$10.50**	24736	Envenom	**$11.85**	25336	Equation
226N	One 8 inch	22 inches	27 inches	80	**12.50**	25634	Enviable	**14.10**	26358	Equator
256N	One 8 inch	25 inches	28½ inches	90	**14.50**	26532	Envious	**16.35**	27364	Equerry
286N	Two 7 inch	28 inches	30½ inches	107	**16.50**	27438	Environ	**18.90**	28512	Equiform

For extra Wood Grates see Floral National, pages 168-169.

Always shipped without Wood Grate unless otherwise ordered.

Made with extra heavy blue steel body, deep solid one-piece cast corrugated bottom, large swinging ash door, steel body mounts inside the cast bottom, cast lining all around the inside lower edge of steel body, mounted without rods, legs and rails bolt on, swinging top feed opening, nickel urn, swing top, foot rails, name plate, damper and keys.

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces

With Swinging Top

Family National

For Wood Only

Factory Number	Holes	Length of Wood	Height	Weight	List	Protection Number	Code Word	List With Wood Grate	Protection Number	Code Word
186P	One 7 inch	18 inches	23 inches	59	$ 7.75	33495	Entomb	$ 9.10	34103	Equine
226P	One 8 inch	22 inches	25 inches	68	9.00	34059	Entonic	10.60	34779	Equinox
256P	One 8 inch	25 inches	26½ inches	73	10.50	34737	Entrance	12.35	35567	Equipage
286P	Two 7 inch	28 inches	28½ inches	87	12.00	35407	Entrap	14.40	36485	Equitable
Nickeled Foot Rails No. **186,** per pair, extra					1.35	3627	Wolly			
Nickeled Foot Rails No. **226,** per pair, extra					1.65	3759	Wollen			
Nickeled Foot Rails No. **256,** per pair, extra					1.95	3885	Wolfel			
Nickeled Foot Rails No. **286,** per pair, extra					2.25	31023	Woodblue			

For extra Wood Gates see Floral National, pages 168-169.

Always shipped without Wood Grate unless otherwise ordered.

Made with extra heavy blue steel body, deep solid one-piece cast corrugated bottom, large swinging ash door, steel body mounts inside the cast bottom, cast lining all around the inside lower edge of steel body, mounted without rods, legs bolt on, nickel name plate, damper and keys.

Excelsior Stove & Manufacturing Company

With Solid Top

Forest National

For Wood Only

Factory Number	Holes	Length Wood	Weight	List	Protection Number	Code Word
181	One 7 inch	18 inches	52	$ 5.00	42254	Emery
201	One 7 inch	20 inches	60	6.10	42756	Emetic
221	One 7 inch	22 inches	80	7.20	43240	Emit
251	Two 7 inch	25 inches	100	8.35	43768	Emersion
281	Two 7 inch	28 inches	120	9.45	44252	Emotion
301	Two 7 inch	30 inches	124	10.00	44506	Empale
321	Two 8 inch	32 inches	144	11.65	45248	Empark
361	Two 8 inch	36 inches	167	15.55	47006	Emperor
381	Two 8 inch	38 inches	184	17.75	47990	Emphasis

This is a strictly high-grade, new and handsome pattern, embodying all modern improvements. It has extra large feed door opening, draw-out hearth slide. It is mounted without the use of rods, which allows free expansion and contraction of the castings, preventing the liability of cracking. The entire body, as well as the top, is ornamented, making a new and pleasing effect. Nos. 361 and 381 have cut sides.

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces

With Swinging Top

Fame National

For Wood Only

Factory Number	Holes	Length Wood	Weight	List	Protection Number	Code Word
201	One 7 inch	20 inches	60	**$ 6.45**	52907	Employ
221	One 7 inch	22 inches	80	**7.55**	53403	Employee
251	One 7 inch	25 inches	100	**8.90**	54015	Employer
281	Two 7 inch	28 inches	120	**10.00**	54509	Emporium
301	Two 7 inch	30 inches	124	**10.55**	54753	Empower
321	Two 8 inch	32 inches	144	**12.20**	55499	Empress
361	Two 8 inch	36 inches	167	**16.10**	57257	Empty
381	Two 8 inch	38 inches	184	**18.30**	58245	Emulate

This stove is in every way like the one on preceding page, except it has a swinging top.

NATIONAL QUALITY AND EFFICIENCY

Excelsior Stove & Manufacturing Company

Cast Heater

National Box

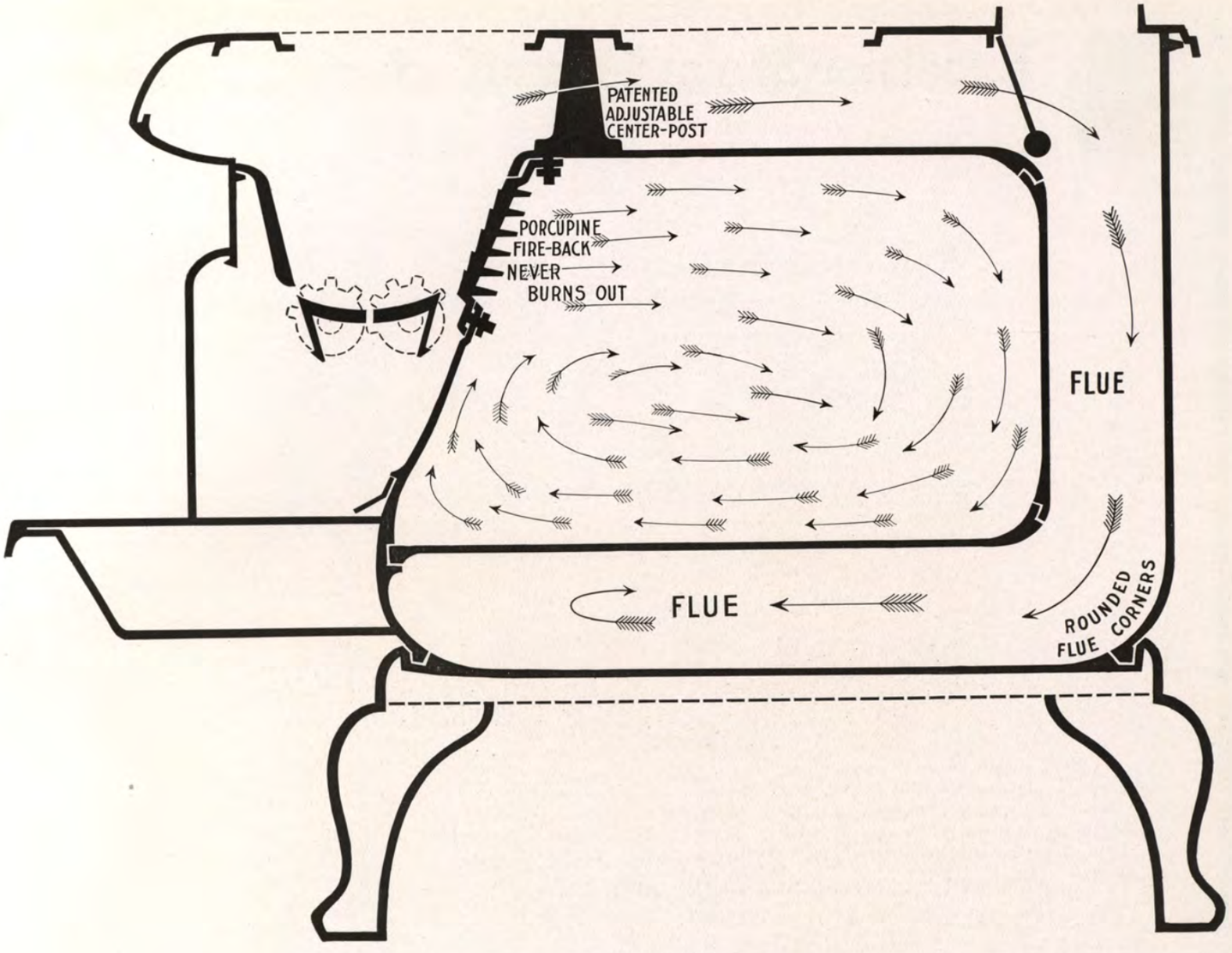
For Wood Only

WITH REMOVABLE TOP

Factory Number	Cooking Hole	Top Opening	Size Opening Fire Door	Length Wood	Weight	List	Protection Number	Code Word
55	One 9 inch	13x32	15x23	48 inch	525	$57.25	625764	Episode
53	Flue Drum to fit this Stove				50	14.50	66532	Wisdom

An extra large wood heater, designed for rough usage. It accommodates cord wood lengths without sawing. Built in the most substantial manner. The rods are thoroughly protected from the fire, the top, sides and bottom are cut in sections to prevent cracking. Provided with 8-inch smoke collar. Legs fit into duffs.

NATIONAL QUALITY AND EFFICIENCY



This cut shows our construction of Cast Iron National Stoves and Ranges.
Note the special features, joints, rounded flue corners, adjustable center post and the

Wonderful Porcupine Fire Back.

This feature is one of the strongest selling points in National Stoves and Ranges. While we do not claim that a single fire back is a new feature, since stoves made sixty years ago were made with a single fire back, we do claim that our construction and application is new and can be found exclusively in National Stoves and Ranges.

The reason for the indestructibility of our Porcupine Fire Back consists alone in the fact that the heat from the fire passes through the casting unobstructed. Although the obverse side of the fire back is exposed directly against the live fire, the reverse side is exposed to the oven space of the stove, which is a limited space; however, this is a part of universal space, consequently the reverse side of the fire back is as much an exposed casting as the oven door, hearth or cover and center pieces. Because of this exposure to space the parts of a stove so exposed never burn out.

While it is true that covers, centers, etc., are required as repairs, the fact remains that none of these parts ever burn out; they become cracked and warped, but never melted like an encased casting. Burn out is simply a term to express melting or fusing, which is the condition that occurs.

The porcupines or fins as used on our Porcupine Fire Back is the application of "pin radiation" to the natural direct radiation of a flat surface. "Pin radiation" is a potent factor in heat transmission. It finds recognition in electric heating, since it is used for that purpose to favor the latent power contained in the electric current.

Air-cooled cylinders in automobiles also exemplify its application to enhance radiation, since they require the greatest possible heat radiation from the engine cylinders to prevent overheating. "Pin radiation" is efficient where cast iron is the conductor. Cast iron is a porous metal, the cellular portions are nonconductors, the solids alone radiate heat, the rays of heat given off are in proportion to the solid exposure: therefore, the addition of the porcupines increases the solids or radiating surface thirty-five per cent more than a flat fire back, and has ninety per cent more efficiency than fire backs in stoves and ranges that are placed in front of an oven plate and provided with an air space, back of the fire back.

This means that our Porcupine Fire Back will heat the oven, ready for baking, in far less time than any other, and requires only enough fuel to cover the grate about two inches high to do the work. It is obvious, therefore, that great savings in fuel are effected, and gives the user the quick oven so much desired.

We have used this Porcupine Fire Back in all our National Stoves and Ranges for the past sixteen years; we have made more than a million of them, and not one has burned out during that time. This is proof positive that our wonderful Porcupine Fire Back is eternal. We guarantee it for twenty-five years.

Do you recognize the selling power this feature gives the dealer over his competitor, if this improvement is explained to the prospective purchaser?

Sell National Stoves and Ranges for cause.

Excelsior Stove & Manufacturing Company

Kenwood National

FOR WOOD ONLY

MADE OF BLUE STEEL

Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
221A	21 inches	16 inches	24 inches	87	**$11.10**	75003	Esculent
224A	24 inches	17 inches	24 inches	93	**12.10**	75459	Esoteric
226A	26 inches	18 inches	24 inches	100	**13.10**	75905	Espalier

Nickeled Swing Top, Name Plate and Turnkey.

Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
221B	21 inches	16 inches	24 inches	92	**$12.25**	75515	Espial
224B	24 inches	17 inches	24 inches	98	**13.25**	75969	Espousal
226B	26 inches	18 inches	24 inches	105	**14.25**	76419	Esquire

Nickeled Foot Rails, Swing Top, Name Plate and Turnkey.

Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
221C	21 inches	16 inches	24 inches	100	**$13.85**	76233	Essayist
224C	24 inches	17 inches	24 inches	107	**15.00**	76759	Essence
226C	26 inches	18 inches	24 inches	113	**16.10**	77255	Essential

Nickeled Top Ring, Foot Rails, Swing Top, Name Plate and Turnkey.

DESCRIPTION

A first quality Air Tight Heater with cast iron front, cast iron top and cast iron bottom, front feed door 10¼x10½-inch opening. Sheet steel adjustable linings, 15 inches high. Wheel register draft opening and check draft in top.

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces

Kenwood National

FOR WOOD ONLY

MADE OF BLUE STEEL

Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
21	21 inches	16 inches	24 inches	42	$6.55	82956	Erectly
24	24 inches	17 inches	24 inches	46	7.10	83202	Erelong
26	26 inches	18 inches	24 inches	50	7.60	83424	Ergot

Nickeled Name Plate and Turnkey

Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
210	21 inches	16 inches	24 inches	47	$7.70	83478	Ermine
240	24 inches	17 inches	24 inches	51	8.25	83718	Erode
260	26 inches	18 inches	24 inches	55	8.75	83946	Erosion

Nickeled Foot Rails, Name Plate and Turnkey.

Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
210R	21 inches	16 inches	24 inches	51	$ 9.30	84192	Erosive
260R	26 inches	18 inches	24 inches	59	10.60	84778	Erotic

Nickeled Top Ring, Foot Rails, Name Plate and Turnkey

DESCRIPTION

A first quality Air Tight Heater with cast front feed door 10¼x10½-inch opening. Steel adjustable linings 15 inches high; wheel register draft opening, check draft in top; large flat cooking surface on top.

NATIONAL QUALITY AND EFFICIENCY

Excelsior Stove & Manufacturing Company

Welcome National

AIR TIGHT WOOD HEATER

MADE OF BLUE STEEL

Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
18A	18 inches	14 inches	15 inches	36	$ 6.80	93063	Equity
121A	21 inches	16 inches	18 inches	45	7.90	93569	Equivalent
24A	24 inches	17 inches	24 inches	53	9.45	94255	Equivocal
26A	26 inches	18 inches	24 inches	60	10.75	94847	Equivocate
Nickel Foot Rails, per pair, all sizes, extra					1.15	9523	Eradiate
Nickel Top Ring for 121, extra					1.60	9725	Erasable
Nickel Top Ring for 26, extra					1.85	9839	Erasion
Cooker Pan for 18-121, extra					.95	9437	Erasure
Cooker Pan for 24-26, extra					1.15	9525	Erebus
Nickeled Feet, per set, extra					.50	9237	Wrap

Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
121B	21 inches	16 inches	18 inches	54	$10.50	94735	Erectable
26B	26 inches	18 inches	24 inches	70	13.75	96197	Erectile
Price includes Cast Base and Nickel Foot Rails.							
Cooker Pan No. 121, extra					.95	9437	Erasure
Cooker Pan No. 26, extra					1.15	9525	Erebus
Nickeled Feet and Base, extra					1.50	9683	Wrist

Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
121C	21 inches	16 inches	18 inches	57	$12.10	95457	Erection
26C	26 inches	18 inches	24 inches	73	15.60	97023	Erective
Price includes Cast Base, Nickel Foot Rails, Nickel Top Ring.							
Cooker Pan No. 121, extra					.95	9437	Erasure
Cooker Pan No. 26, extra					1.15	9525	Erebus
Nickeled Feet and Base, extra					1.50	9683	Wrist

DESCRIPTION

Steel linings in all sizes, lined close to the top and reinforced with cast plate inside the draft opening, the cast elbow is made in one piece, the cast smoke collar and fuel ring are reinforced with cast ring inside the body. Swing top and draft damper are machine fitted.

Nickel urn, name plate and knobs on all sizes.

Length of stove is without front draft pipe.

Cooker pan fits inside the fuel ring and under the cover, has 8-inch lid in bottom, a deep cast iron pan for cooking and bakes like the old-fashioned Dutch oven.

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces

Advertising Cut No. 2

THIS TRADE-MARK has been put before the public upon thousands of our stoves and ranges, on millions of pieces of special advertising matter, that have gone into the American homes, to say nothing of the innumerable copies of newspapers, magazines and other periodical publications, which we have used to popularize National Stoves and Ranges. Our advertising, which is done persistently, and consistently, forcing our emblem upon the attention of the public, is significant that few are strangers to the National Trade-Mark. Dealers who handle the National line inherit the results of this publicity, and find it of inestimable assistance in making sales. Use our trade-mark on all your stationery and thereby share its benefits.

Additional sizes, page 202.

Standard National

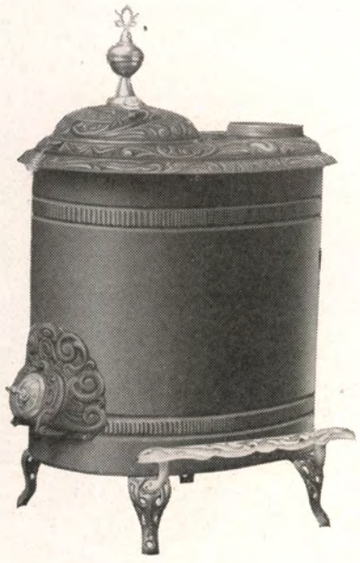
WITH CAST TOP
FOR WOOD ONLY
MADE OF BLUE STEEL

Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
218	18 inches	14 inches	15 inches	46	$ 5.30	12394	Erudite
221	21 inches	16 inches	24 inches	60	6.80	13062	Eruption
226	26 inches	18 inches	24 inches	68	8.20	13696	Eruptive
232	32 inches	22 inches	24 inches	100	14.70	16628	Escalad

Nickeled urn and turnkeys.
Drop ash door for removing ashes, adjustable linings, deflected tops.
No. 232 is extra strong, has six legs. Made for stores, halls, schools, etc.

Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
318	18 inches	14 inches	15 inches	51	$6.45	12906	Escolop
321	21 inches	16 inches	24 inches	65	7.95	13586	Escarp
326	26 inches	18 inches	24 inches	73	9.35	14218	Eschalot

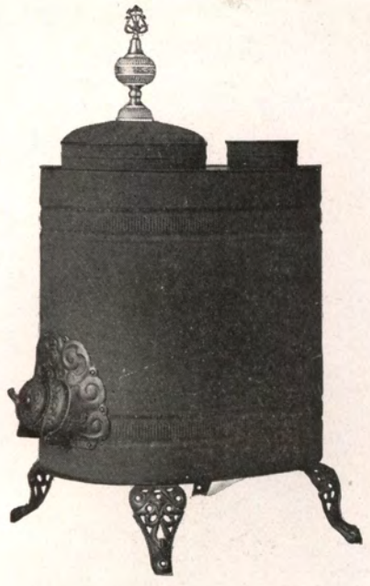
Nickeled foot rails, urn and turnkeys.



Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
321R	21 inches	16 inches	24 inches	70	$ 9.55	14302	Eschew
326R	26 inches	18 inches	24 inches	77	11.20	15046	Escort

Nickeled top ring, foot rails, urn and turnkeys.

NATIONAL QUALITY AND EFFICIENCY



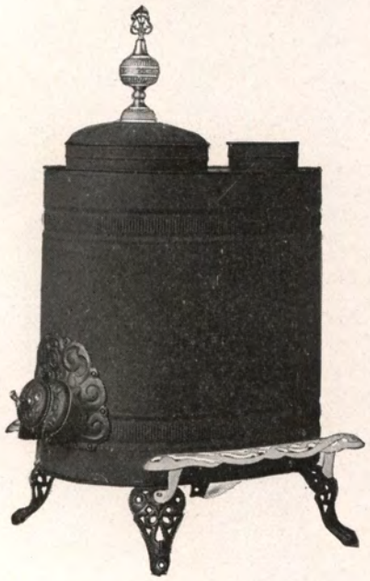
Standard National

FOR WOOD ONLY

MADE OF BLUE STEEL

Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
18	18 inches	14 inches	15 inches	26	$ 3.10	21405	Endow
121	21 inches	16 inches	18 inches	32	4.10	21857	Enjoin
21	21 inches	16 inches	24 inches	35	4.40	21989	Endure
24	24 inches	17 inches	24 inches	37	4.80	22163	Enjoy
26	26 inches	18 inches	24 inches	40	5.05	22273	Endwise
32	32 inches	22 inches	24 inches	50	10.50	24735	Enema

Nickeled urn and turnkeys.
Drop ash door for removing ashes, adjustable linings, deflected tops.
No. 18 has 3 legs only.
No. 32 is extra strong, has 6 legs. Made for stores, halls, schools, etc.



Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
181	18 inches	14 inches	15 inches	31	$4.25	21917	Ensconce
1210	21 inches	16 inches	18 inches	37	5.25	22363	Ensemble
210	21 inches	16 inches	24 inches	40	5.55	22509	Enemy
240	24 inches	17 inches	24 inches	42	5.95	22683	Ensample
260	26 inches	18 inches	24 inches	45	6.20	22793	Energetic

Nickeled foot rails, urn and turnkeys.

Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
210R	21 inches	16 inches	24 inches	44	$7.15	23227	Energize
260R	26 inches	18 inches	24 inches	49	8.05	23625	Energy

Nickeled top ring, foot rails, urn and turnkeys.

NATIONAL QUALITY AND EFFICIENCY

Excelsior Stove & Manufacturing Company

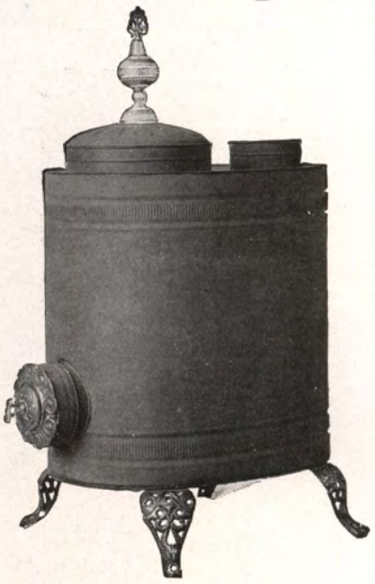
Special National

FOR WOOD ONLY

MADE OF BLUE STEEL

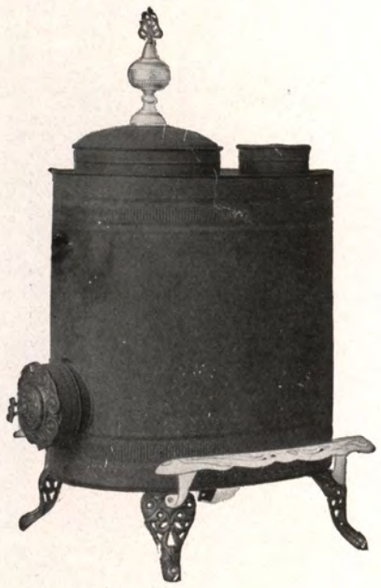
Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
180	18 inches	14 inches	15 inches	19	**$2.20**	4997	Enfilade
18	18 inches	14 inches	15 inches	20	**2.45**	41103	Effusive
121	21 inches	16 inches	18 inches	27	**3.40**	41535	Enlarge
21	21 inches	16 inches	24 inches	29	**3.70**	41679	Enforcer
24	24 inches	17 inches	24 inches	31	**4.10**	41853	Enlist
26	26 inches	18 inches	24 inches	32	**4.40**	41987	Engage
32	32 inches	22 inches	24 inches	50	**9.90**	44465	Engaging

Nickeled urn and turnkey.
No. 180 has no lining. No. 180-18 has 3 legs only.
Six-inch front cap can be removed in taking out ashes.



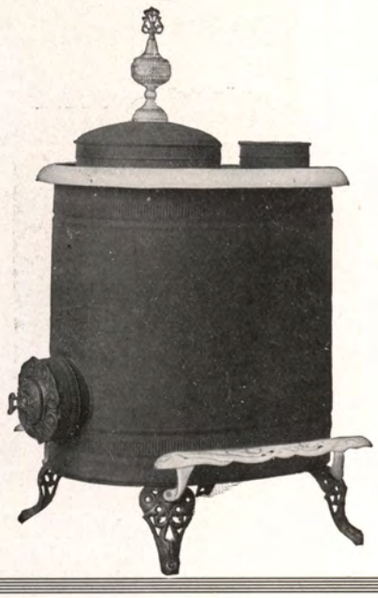
Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
181	18 inches	14 inches	15 inches	25	**$3.60**	41625	Enrol
1210	21 inches	16 inches	18 inches	32	**4.55**	42057	Enroot
210	21 inches	16 inches	24 inches	34	**4.85**	42187	Engender
240	24 inches	17 inches	24 inches	36	**5.25**	42369	Enrobe
260	26 inches	18 inches	24 inches	37	**5.55**	42509	Engine

Nickeled foot rails, urn and turnkey.



Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
210R	21 inches	16 inches	24 inches	38	**$6.45**	42903	Engird
260R	26 inches	18 inches	24 inches	41	**7.40**	43337	English

Nickeled top ring, foot rails, urn and turnkey.



NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces

Dixie National

FOR WOOD ONLY

MADE OF UNIFORM COLOR STEEL

Factory Number	Length	Width	Body Height	Weight	List	Protection Number	Code Word
180	18 inches	14 inches	15 inches	15	**$1.75**	5792	Entreat
18	18 inches	14 inches	15 inches	16	**1.95**	5886	Entree
121	21 inches	16 inches	18 inches	22	**2.80**	51268	Entry
24	24 inches	17 inches	24 inches	26	**3.40**	51530	Entwine
26	26 inches	18 inches	24 inches	28	**3.80**	51714	Envelope

A good air-tight heater, with removable steel lining, in all sizes except the No. 180. Fuel cover made in one piece. Tops deflected to prevent warping. Screw draft damper, extra strong sheet steel legs, self-fastening into loops under the stove, nickel damper, urn and keys. No. 180-18 has 3 legs only.

Near Air-Tight

FOR WOOD ONLY

MADE OF UNIFORM COLOR STEEL

Factory Number	Diameter Body	Body Height	Weight	List	Protection Number	Code Word
16	13 inches	15 inches	17	**$1.40**	5636	Effluence

A round wood heater with 10-inch fuel opening in top and 6-inch pipe collar on rear, mounted on three steel legs, has nickel front damper and knob on cover. Has no lining.

NATIONAL QUALITY AND EFFICIENCY

Excelsior Stove & Manufacturing Company

K. D. Air-Tight Heaters

MADE OF BLUE STEEL

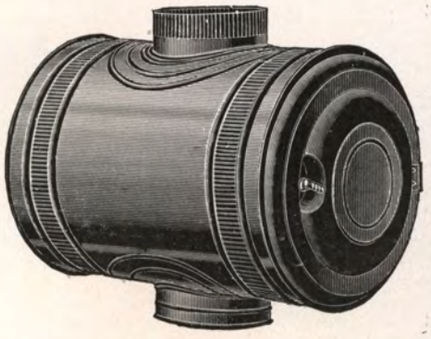
FOR WOOD ONLY

Factory Number	Length	Width	Height Body	Weight	List	Protection Number	Code Word
18	18 inches	11 inches	13 inches	21	$2.75	61243	Envoy
22	22 inches	13 inches	16½ inches	28	4.00	61809	Epact
24	24 inches	14 inches	16½ inches	30	4.35	61965	Epha
26	26 inches	15 inches	16½ inches	33	4.70	62123	Ephod

The illustration shows our knocked down air-tight heater placed upon the box in which it is packed for shipping. Saves space. The No. 24, packed in box, measures 5½x18x27 inches, and contains 2,673 cubic inches. Saves freight. Body is embossed blue steel with cast corners, cast legs and steel lining. Edges are made of slotted steel tubing, and slides over special folded ends, making strictly air-tight and ash-proof joints. Legs bolt on bottom; easily set up. Nickeled urn and damper.

NATIONAL QUALITY AND EFFICIENCY

National Stoves, Ranges and Furnaces

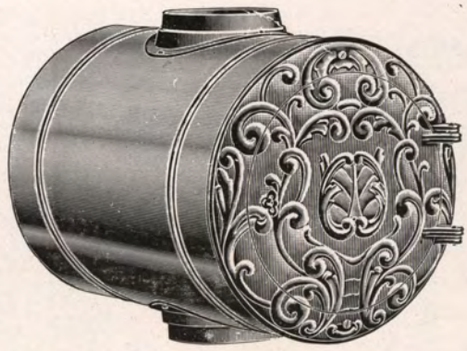


Steel Drum Oven

Factory Number	Outside	Oven	Weight	List	Protection Number	Code Word
14	18x14	18x10	15	**$2.90**	71312	Warp

This entire oven is made of sheet steel. The collars and ends are swedged together, which makes it absolutely smoke and gas tight.

The weight does not exceed half that of the cast end drum, and makes a corresponding saving in freights.

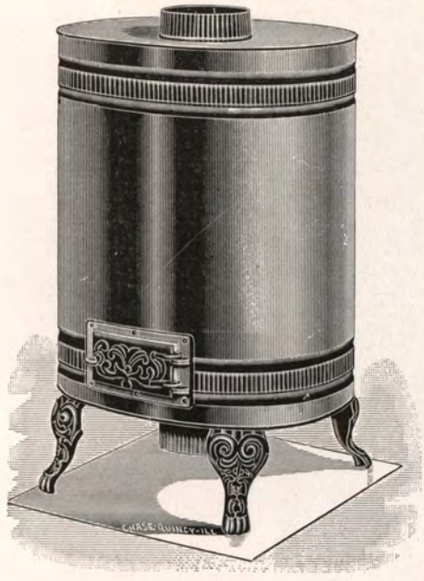


National Drum Oven

Factory Number	Outside	Oven	Weight	Mounted	Protection Number	Code Word
18	18x14½	18x11	34	**$4.00**	71806	Warning
18	Castings and Rods only		20	**2.40**	71084	Warrant

Price includes cast plate to protect inside oven from fire. Note that the inside oven space is one inch wider than any other oven drum on the market.

Neatest and best oven made. Can be attached to any stovepipe.

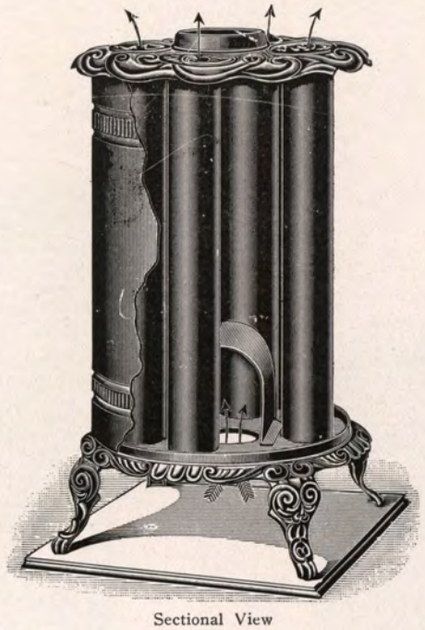


Dandy Drum

FOR SOFT COAL, HARD COAL OR WOOD

Factory Number	Size Pipe	Length Body	Height Body	Weight	List	Protection Number	Code Word
21	6 in.	21 in.	24 in.	24	**$4.10**	71856	Widely

Made of smooth steel with clean-out soot door in front and heat retainer inside. Each drum substantially crated.



Sectional View

Excelsior Drum

FOR SOFT COAL, HARD COAL OR WOOD

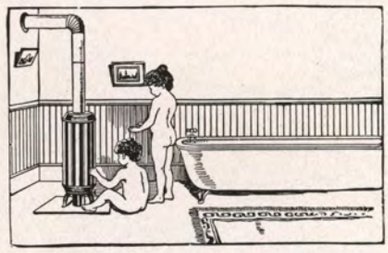
Factory Number	Diameter Body	Size Pipe	Height Body	Weight	List Mounted	Protection Number	Code Word
16	17 in.	6 in.	24 in.	53	**$6.30**	72846	Wadd
17	17 in.	7 in.	24 in.	53	**6.30**	72842	Wadded
16	Castings and Rods only			42	**3.60**	71624	Wadding
17	Castings and Rods only			42	**3.60**	71628	Wallow

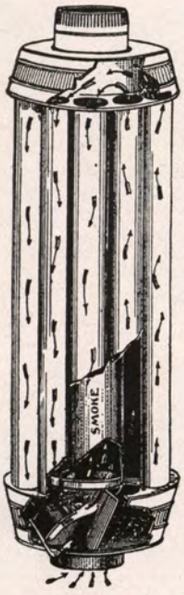
This drum is highly satisfactory for the use of soft coal, hard coal and wood. It has four ventiduct tubes 3½ inches in diameter, which circulate the air from the floor through ducts and out of the top. Easily mounted in any tin shop. A new and handsome pattern.

Excelsior Stove & Manufacturing Company

Up and Down Draft Radiator

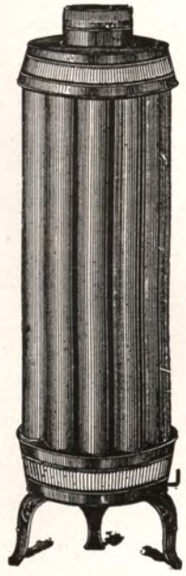
Shown Attached to Pipe from Room Below





Sectional View
Patented

This illustrates our up and down draft radiator, which has been on the market for the past fourteen years, and given not only general satisfaction to the users, but has surprised all in the great amount of additional heat, together with a saving of half the fuel usually burned in stoves to which it is attached. The radiator can be attached to any kind of cook or heating stove, furnace, or air-tight heater—in fact to any heating apparatus which uses a stovepipe. It can be attached either close to the smoke collar of a stove, or will heat room above by setting the radiator on upper floor. Adapted to any fuel except soft coal. Each radiator is provided with a direct draft damper, which can be used when starting fire. Greatest invention of the age; attested to by thousands of users.



Full View
Patented

MADE OF POLISHED STEEL

Factory Number		Diameter	Height	Weight	List	Protection Number	Code Word
51	To fit 5 inch pipe	11½ inches	22 inches	25	$6.05	82725	Whey
61	To fit 6 inch pipe	12½ inches	22 inches	33	7.35	83319	Which
50	To fit 5 inch pipe	11½ inches	36 inches	31	7.10	83207	Whiff
60	To fit 6 inch pipe	12½ inches	36 inches	38	8.15	83673	Whim

MADE OF AMERICAN RUSSIA IRON

Factory Number		Diameter	Height	Weight	List	Protection Number	Code Word
55	To fit 5 inch pipe	11½ inches	36 inches	31	$ 8.80	83967	Whine
66	To fit 6 inch pipe	12½ inches	36 inches	38	10.25	84619	Whinny

Made with cast heads, flue strip, damper and feet.
One set of feet with every Radiator.
You can sell these and make money.

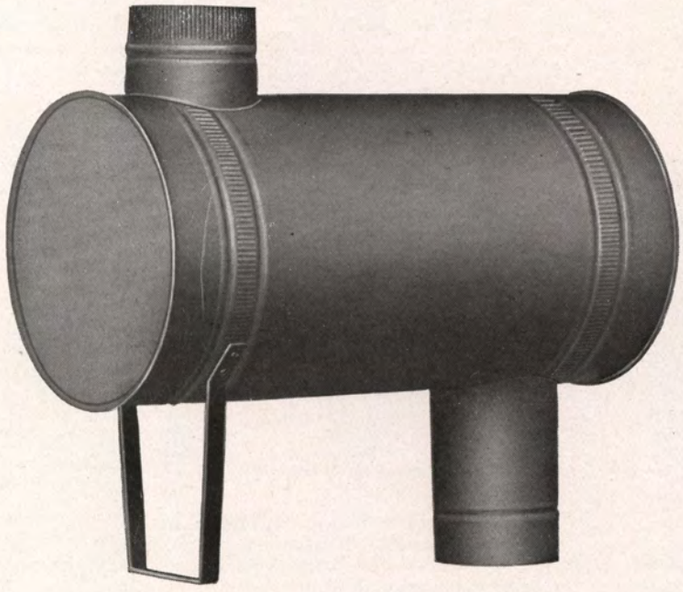
National Radiator

FOR HARD COAL, SOFT COAL OR WOOD

Factory Number	Size Body	Size Pipe	No. Tubes	Weight	List	Protection Number	Code Word
52	10 x23 inches	5 inches	4	12	$3.05	81377	Warren
62	10 x23 inches	6 inches	4	12	3.05	81375	Warrior
63	12 x26 inches	6 inches	5	17	3.65	81649	Warworn
64	13½x28 inches	6 inches	6	22	5.10	82305	Wassail
74	13½x28 inches	7 inches	6	22	5.10	82303	Wasteful

Made of all sheet steel with ventiduct tubes, which circulates the air of the room continually. The deflector plates maintain the products of combustion around the tubes and against the interior of the body. Can be attached directly to a stove collar or to the stovepipe in room above.

National Stoves, Ranges and Furnaces

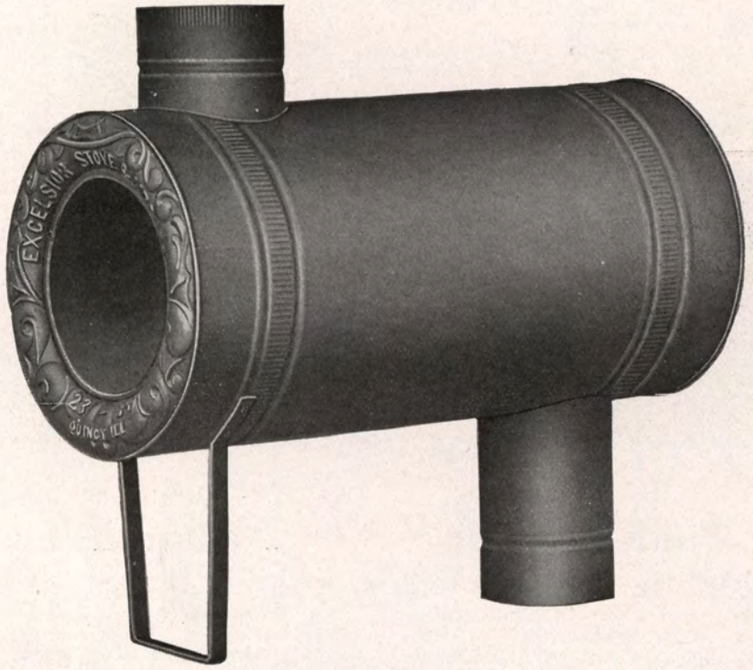


Common Drum

Blue Steel — With Closed Steel Heads

Factory Number	Length Inches	Size Pipe	Weight	List	Protection Number	Code Word
24	24	6 inches	10	$3.30	91494	Waif
28	28	6 inches	15	3.70	91672	Wail
32	32	6 inches	20	4.75	92148	Wait
36	36	6 inches	24	5.75	92590	Wake

Smoke pipe sizes may be changed if specially ordered.



Flue Drum

Blue Steel — With Cast-Iron Heads

Factory Number	Length Inches	Size Pipe	Weight	List	Protection Number	Code Word
24	24	6 inches	19	$5.25	92360	Wade
28	28	6 inches	26	6.55	92958	Wafer
32	32	6 inches	34	8.40	93786	Waft
36	36	6 inches	39	10.25	94612	Wag
53	53	7 inches	50	14.50	96530	Wisdom

Smoke pipe sizes may be changed if specially ordered.

Excelsior Stove & Manufacturing Company

Excelsior Feed Cookers

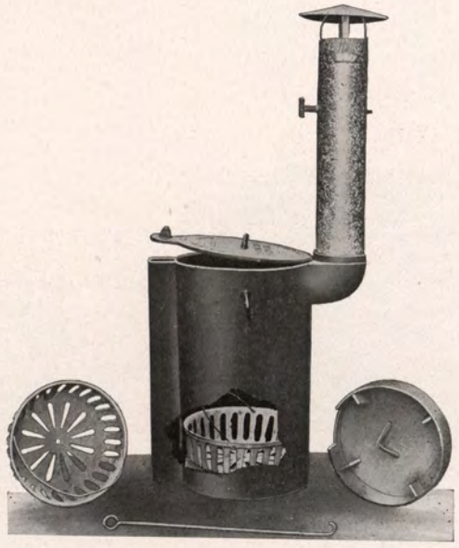
Heavy Steel Body — **For Coal or Wood**

WITH CAST CALDRON KETTLE

Factory Number	Actual Measure	Weight	List, for Wood	Protection Number	Code Word
1	15 gallons	100	$11.80	15317	Welsh
2	20 gallons	110	13.40	16035	Welt
3	30 gallons	175	15.85	17133	Were
4	45 gallons	200	18.65	18395	Whack
5	55 gallons	225	21.75	19799	Whale
6	65 gallons	250	25.65	111543	Wharf
7	75 gallons	300	28.75	112947	Wheat
Coal Fixtures for all sizes, $4.65				12097	Whence

These boilers are designed to meet the wants of farmers, butchers, contractors, etc., who want something good and at a moderate price. They are supplied with extra fine finish and durable caldrons. There is no bottom in the jacket, as the stove is intended to be used on the earth, or to be filled with brick or clay up to the bottom of feed door.

NOTE.—Smoke-pipe or elbow not included in price.



Sectional View

Sectional View

Excelsior Tank Heater

Factory Number	Diameter	Height Body	Weight	List	Protection Number	Code Word
2	12 inches	24 inches	110	$10.50	14737	Witless
4	14 inches	24 inches	165	13.65	16145	Witling

Made of one piece cast iron body, with cast grate, cast ash pan and cover. Galvanized iron smoke pipe with damper and cap.

Requires no fastenings in tank, sinks of its own weight. The cast cover swings to admit draft in the tube, and closes thoroughly tight; will hold fire perfectly. Burns chips, cobs, wood or coal. Guaranteed not to leak.

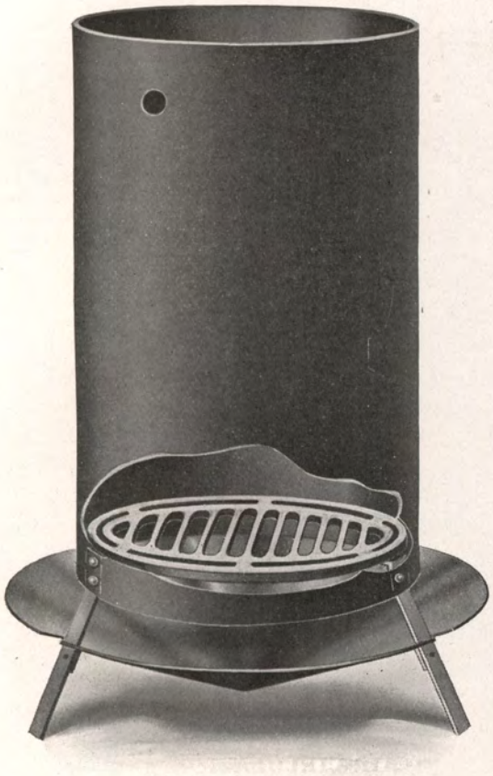
National Tank Heater

Factory Number	Diameter	Height Body	Weight	List	Protection Number	Code Word
24	14 inches	24 inches	45	$6.30	12845	Wish
30	14 inches	30 inches	50	7.10	13209	Witch
40	17½ inches	30 inches	65	9.50	14287	Witha

Used to prevent stock watering troughs from freezing. Made of heavy gauge galvanized steel with cast iron swing top and cast iron grate removable; the draft pipe supplies draft under the grate. Smoke pipe bolted to the top and provided with swing cover over the end, which is used as a damper and can be completely closed to keep out rain or snow.

Each heater supplied with ash shovel, hook rod to remove grate, and two rods to fasten heater into tank.

National Stoves, Ranges and Furnaces



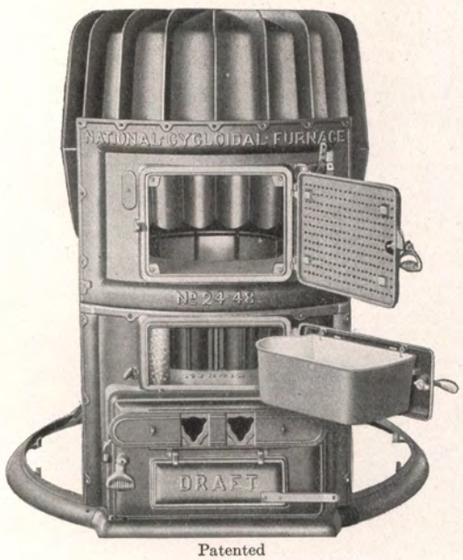
Sectional View

National Salamander

Factory Number	Diameter Body	Height Body	Entire Height
118	18½ in.	30 in.	39 in.

Weight	List	Protection Number	Code Word
67	$8.00	23606	Whaler

Made of No. 16 sheet steel with heavy cast iron grate. Wide ash pan at bottom retains the ashes perfectly. Wrought steel legs and grate rest.



Patented

We Issue a Special Catalogue of

NATIONAL
WARM AIR FURNACES
AND FURNACE ACCESSORIES

Our Furnaces contain many new features that puts them far in advance of any of the "Old Line" Furnaces

WRITE US FOR NATIONAL FURNACE CATALOGUE

Excelsior Stove & Manufacturing Company

National Room Air-Heater

FOR HARD COAL, SOFT COAL OR WOOD

This heater is designed especially to provide all the requirements for perfection in heating and ventilating school rooms, churches, auditoriums, etc., and to provide an apparatus that will obtain all the heat units from the fuel consumed, in a convenient and sanitary manner.

The necessity for properly heating and ventilating school rooms is too generally known to require a lengthy argument here. It has been recognized to the extent that a great number of books have been written on the subject, pointing out the necessity for properly heating and ventilating buildings in which large numbers of people are housed. Many States have passed laws making it compulsory to educate our children under sane and sanitary conditions, which means that certain methods must be complied with to effectually prevent contagious and other ills due to the breathing of impure air.

An apparatus, therefore, to perform the necessary functions, must provide:

1st—Fresh Air to be admitted in a sufficient volume that will supply 1,800 cubic feet of fresh air per hour for each pupil in school rooms.

2nd—Ventilation.—An outlet for the cold and foul air that will change the air inside the room 4 to 6 times per hour.

3rd—Circulation of the inside air to the end that the school room will be heated uniformly even to the remotest corners.

4th—Protection by a complete casing of the heating apparatus that will permit pupils to sit in close proximity to the heater without being uncomfortable.

5th—Cleanliness.—A heater provided with large and convenient feed doors, to prevent spilling the fuel over the floor, also an ash pan which permits the removal of ashes without the cloud of dust always present when shoveling out the ashes.

The above are the qualifications necessary as prescribed by the State legislatures. The questions of apparatus not covered by law and equally important to the school board, namely: to obtain a heater that will heat up to the requirements that will be durable and not necessitate constant repairing, that will be economical in fuel consumption, moderate in price and easily operated, should be given full and careful consideration.

THE NATIONAL ROOM AIR HEATER

satisfactorily meets all the above points, and may be better judged from its structural features.

FUEL ECONOMY

The National Room Air Heater is built with special attention toward economy and perfect combustion of the fuel. This is accomplished in the arrangement of the draft inlet. The draft being admitted through the ash door in part, passes up through the grate; at the same time a portion of the draft rises up through a tube from the base into the blast ring at the top of the fire pot.

PERFECT COMBUSTION

Perfect combustion of the fuel consists in the consumption of both the fixed carbon (coke) and the hydro-carbon (gases), which constitute the B. T. U. of the fuel available if supplied with the proper supply of oxygen (air) to the fuel while in a state of combustion. The draft through the grate forces the gases out of the fuel. The air from the blast ring makes these gases combustible, which are thoroughly consumed, leaving no black smoke or soot to pass out of the chimney, since black smoke is the manifestation of imperfect combustion.

GRATES

The coal grates consist of four triangular bars, coupled together in pairs with cog wheels. These grate bars can be revolved with a grate shaker through the damper opening in the ash pit door. By an ingenious construction, the grate shaker can not be removed without leaving all the grate bars in a proper position. All the bars of the grate have three surfaces exactly alike, therefore either of the surfaces exposed to the fire is proper. After shaking the grate a changed relation of the grate to the fire will occur, which equalizes the wear and makes the grate practically indestructible. The grates are removable through the ash pit door, without taking the heater apart or removing a single bolt. We furnish a complete wood grate instead of the coal grates when wood exclusively is to be used.

FIRE POT

The fire pot is corrugated and made very heavy. The sides are nearly straight and prevent the fire or ashes from resting on the pot, which adds many years to its durability.

BLAST RING

The blast ring is made in eight sections of heavy cast iron. These sections are loose and self-supporting, ample space for expansion is allowed, and are easily replaced. They also serve to prevent the coal coming into contact with the body. The function of the blast ring is fully described under the caption of Perfect Combustion.

BODY

The body of the National Room Air Heater is not made of steel. It is made of No. 16 Armco Ingot iron, guaranteed 99 96-100 per cent pure iron. The metal is rust-resisting and greatly outlasts sheet steel. The body is proportioned in its relation to the fire pot and provides the correct amount of radiation and combustion chamber. There are no rods used in this entire heater, therefore none to burn out.

FEED DOORS

The feed doors are double; the lower door is intended for coal, while both doors may be opened to conveniently feed rough wood, or extra large chunks of coal.

CHECK DAMPER

The check damper is located in the smoke pipe. It is regulated with a ratchet bar and serves to control the fire. By its use the fire may be regulated to an even degree of heat, and since this damper is open most of the time, it adds materially toward ventilation of the room.

WATER PAN

Each heater is provided with a water pan, arranged into the casing with an outside swing cover for convenience in refilling. Water should be kept in the pan at all times. The evaporation being automatically regulated by the heat, the air absorbs the exact amount of moisture required to keep it in a healthful condition.

CASINGS

These are made of highly polished sheet metal, thoroughly asbestos lined, with steel lining inside to protect the asbestos, making a 3-wall casing, solid wrought iron casing rings, that makes for rigid construction. To mount the casings onto the heater, remove all door frames, bolt the bottom ring into place, then put on lower section of casing, then the solid ring and next the upper casing. Bolt on the door frames the very last. Made so simple, anyone can set up the heater complete with no more tools than an ordinary screw-driver.

AIR CIRCULATION

The air space between the heater and casing, also the space between the heater and floor, are properly proportioned to circulate the air of the room without creating an unpleasant draft. All the air of the room except foul air is circulated and passes through the heater. This circulation draws the air from the remotest corners of the room toward the heater and is replaced by warm air, and makes for even temperature throughout the entire room.

Circulation being perfect, does not require the heater to be placed in the center of the room; it may be placed in an out-of-the-way corner with equal success, thereby not interfering with clear space in the room.

Foul air being heavier than pure air remains close to the floor; it does not circulate through the room again and again, if there is an opening for its escape to the open air; therefore the necessity for the ventilating shafts to originate at the floor line.

CHIMNEY

The chimney flue for the National Air Heater should be not less than 8x8 inches inside, and the smokepipe from the heater to the chimney should be 8 inches. The ventilating flue should be 8x12 inches where possible.

Architects when designing new school buildings usually provide a special chimney which is surrounded by a ventilating stack permitting every room to be connected to the ventilating stack.

Old buildings not provided with ventilating systems may be successfully ventilated by either of the ventilating systems shown in this book in connection with the National Air Heater.

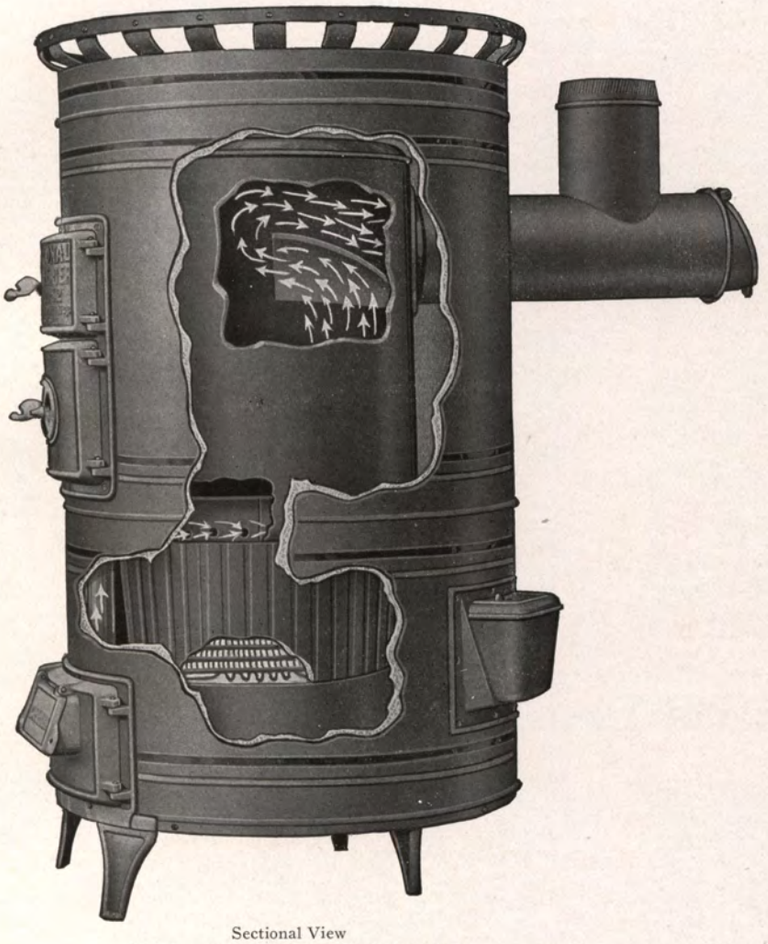
SIMPLICITY

The National Air Heater has been designed especially for simplicity in all its features. Any person with ordinary intelligence can install the heater and any of the ventilating systems without the aid of any special agent. We have eliminated all the mysteries from the apparatus and the usual charges made for same; therefore our prices are below the so-called special houses and special heating engineers, since anyone can install the National, reference being had to the illustrations shown in this book.

In general the National Room Air Heater is the last word in the creation of a school room heater. There are other heaters that will heat a room, but there are none with the refinements and structural features that insure the increased radiation, the durability, convenience, cleanliness and fuel economy that go with every National.

The National is made in one size only, capable of rendering the service as listed. If the space is larger than can be heated with one heater, we would strongly recommend that two heaters should be used instead of one over-size apparatus. The special advantage in using two heaters in a very large space consists in the fact that during the Spring or Fall season, or during moderate weather, one heater only may be put into use, thereby saving fuel; then in very cold weather both heaters may be fired, which produces a better distribution of the heat than can be obtained from one apparatus.

National Stoves, Ranges and Furnaces



Sectional View
Showing direction of the draft through the heater

Front View
Showing the ash door, double feed doors and draft door

National Room Air-Heater

ADVANCED METHOD IN HEATING AND VENTILATING

FOR HARD COAL, SOFT COAL OR WOOD

SPECIFICATIONS

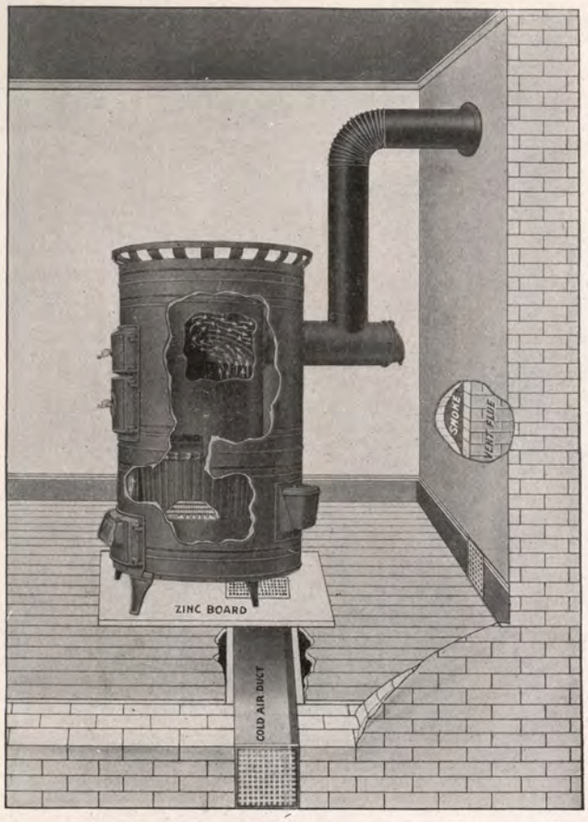
Factory Number	Diameter of Fire Pot	Diameter of Body	Diameter of Casing	Entire Height	Size of Feed Door	Size Smoke Pipe	Heating Capacity in Cubic Feet
20-32A	20 inches	23½ inches	32 inches	60 inches	11x16½ in	8 in.	12,000

Factory Number		List	Protection Number	Code Word
20-32A	National Room Air Heater for Coal	$80.00	336005	Household
20-32A	National Room Air Heater for Wood	78.00	335109	Hottenot
20-32A	National Room Air Heater for Coal and Wood	82.00	336907	Houdah
	33x39 in. Zinc Lined Stove Board with 9x12 B. J. Register	5.00	32253	Witty
	33x39 in. Zinc Lined Stove Board without Register	2.50	31137	Witted
	8 inch 24 gauge Black Iron Smoke Pipe, nested, per foot	.30	3145	Withy
	8 inch 24 gauge Black Iron Smoke Pipe Elbow, each	.65	3295	Wittel
	8 inch Tin Stove Pipe Collar, each	.20	3099	Wizen

Price includes casing as shown above.

SHIPPING WEIGHT OF HEATER WITH CASING 513 LBS.

Description Page 190



No. 2 National Ventilating System

This system of ventilation can be used when the chimney has two flues, one flue to be used for the smoke pipe, the other flue for ventilation. The smoke flue heats the brick partition wall between the flues, which in turn warms the air in the ventilating flue, and causes an upward flow of air, which removes the cold and foul air out of the room.

The fresh air supply should be taken from outside, using channel between the joist under the floor, an opening to be made through the outside wall and covered with our special fresh air intake register. If there should be no ceiling under the floor, then board up the one channel to form the duct. Set the heater directly over this duct and cut hole through floor where the cold air register in zinc board appears. This register can be closed or opened to regulate the cold air supply.

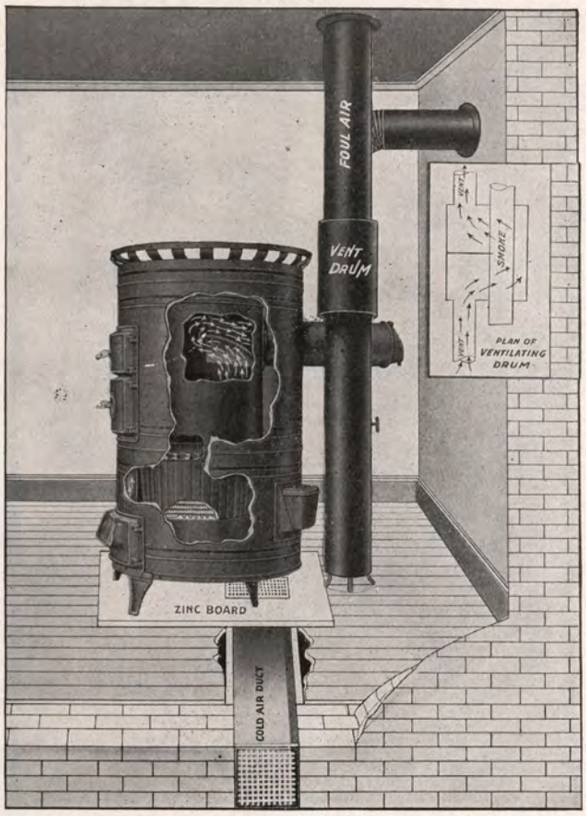
This system is perfect, very inexpensive and easily installed; it fully covers the requirements of state laws.

The ventilating register to be placed as near the floor as possible; cut opening into the chimney and fasten the register to the plastering, using for that purpose plaster paris made to a paste; this method fastens the register permanently and air-tight against the wall. If air duct between joists is not convenient, a tin pipe may be used under the floor instead.

MATERIALS FOR VENTILATING SYSTEM No. 2

	List	Protection Number	Code Word
33x39-inch Zinc Lined Stove Board with 9x12 B. J. Register, each	$5.00	42258	Witty
9x12-inch Black Japanned Convex Register for side wall, each	2.50	41136	Within
12x14-inch Fresh Air Intake Register, each	4.00	41802	Without

No. 3 National Ventilating System



This system of ventilation is to be used where a special chimney flue is not available for ventilating purposes. It consists of a 10-inch round sheet iron ventilating stack leading from the floor to the circulating drum placed around the smoke pipe. A pipe should then be attached from the drum through the ceiling, and left to discharge into the attic, from which the cold and foul air is discharged into the open air through the "pent house" on the roof. The circulating drum is arranged to retain heat from the smoke pipe and at the same time forces the circulated air against the smoke pipe, thereby heating the air and causes an upward flow to the top.

In cases where the school building does not have a "pent house" on the roof, the ventilation pipe must be carried through the attic and roof to the outdoor air. For this purpose it will be necessary to provide a roof saddle and rain-proof cap to prevent leakage.

Fresh air supply same as described in Ventilating System No. 2.

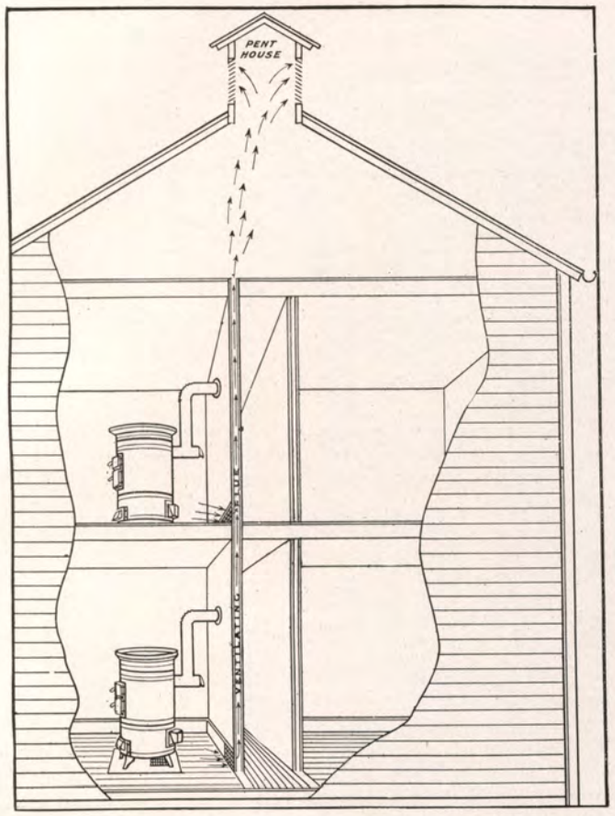
MATERIALS FOR VENTILATING SYSTEM No. 3

	List	Protection Number	Code Word
33x39-inch Zinc Lined Stove Board with 9x12 B. J. Register, each	$5.00	42254	Witty
xCirculating Drum with pipe to floor, each	6.75	43048	Woad
10-inch Blue Steel Circulating Pipe, per ft	.22	4102	Woful
*10-inch Galv. Roof Saddle, each	1.75	4790	Wolf
10-inch Galv. Rain-Proof Ventilating Cap, each	4.00	41802	Wolfish
10-inch Tin Ceiling Pipe Collar, each	.30	4146	Wolverine
12x14 inch Fresh Air Intake Register, each	4.00	41806	Without

*When ordering roof saddle say if wanted for side or comb of roof.

xNote that our quotation provides for circulating drum and the necessary ventilating pipe from the drum to the floor; since we can not know the required distance to ceiling or roof, we quote materials separate.

National Stoves, Ranges and Furnaces



No. 4 National Ventilating System

This system of ventilation may be used where a building contains partition wall built with lath and plaster on two sides of the partition. This form of construction offers channels that may be used as ventilating shafts by cutting out the cross headers of 2x4 used at the ceiling line. With the header cut out, the channel becomes an open duct into the attic, the Pent House on the roof creates draft to draw off the cold and foul air from the rooms. Ventilating registers are to be put in the partition wall at the floor line from each room, using a separate channel for each room.

Fresh air supply same as described in Ventilating System No. 2.

MATERIALS FOR VENTILATING SYSTEM No. 4

	List	Protection Number	Code Word
33x39-inch Zinc Lined Stove Board with 9x12 B. J. Register, each	$5.00	52253	Witty
9x12 Black Japanned Convex Register for side wall, each	2.50	51137	Within
12x14-inch Fresh Air Intake Register, each	4.00	51809	Without

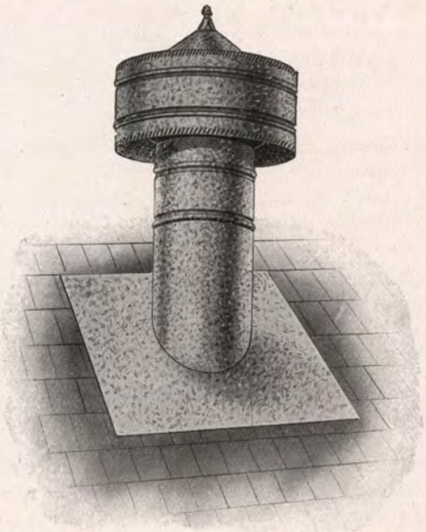
NOTE

We strongly condemn any ventilating system that contemplates using one chimney flue for both the smokepipe and ventilating pipe, regardless of the size. Any heating engineer knows that a current of cold air admitted into the smoke flue must have a deleterious effect on the draft of the heater, in most cases manifested by the heater allowing gases to escape into room, vitiating the air beyond endurance.

Fresh Air Intake Register

A new and improved construction for fresh air intake from the outside of building. It covers the opening in the wall, prevents leaves, refuse or rain from entering the cold air duct. In addition to the horizontal rain guards, it is provided with vertical slats that deflect the winds into the duct. These are very essential, since without them the wind from certain directions will cause an outward pull, in consequence at such times the heat from the rooms will be wasting out of the cold air duct instead of the cold air entering.

Size 12x14 with a two-inch flange to fasten flush with the wall line, wide flange being ample to cover over any ragged hole that may be caused by the brick chipping out of a true square line.



Ventilating Cowl or Cap

This cut shows a combination of the ventilating cowl and roof saddle, to be used in connection with No. 3 National ventilating system. It is made entirely of galvanized iron and thoroughly water-tight. When ordering be sure to state if it is intended to fit the side of roof or comb of roof.

See prices shown in Ventilating System No. 3.

Excelsior Stove & Manufacturing Company

National Air Heater Furnace

This furnace has been built to meet the demand for a furnace of moderate size, that should be adapted to heat three or four rooms only, which experience has shown to be the amount of heated space required in the average farm home. Modern built bungalows, with the usual reception hall, living room, dining room and bathroom, constitutes the space in which artificial heat is desired, the kitchen being heated by the ever present cooking range. Store rooms where it is desired to dispense with the dirty coal stove and the "soap box orators, "both of which have done great damage to the merchant's business.

To any and all the above conditions, our National Air Heater Furnace will be found to exactly fulfill the requirements. It was especially designed to enable anyone to install the apparatus complete in their house without the aid of a mechanic. We send out the furnace all complete with the casing and fittings as listed, the installation being simple, as shown in accompanying illustrations.

The National Air Heater Furnace is an improvement over the old-line furnace, as regards heating capacity, economy ot fuel, durability and cleanliness. It does not occupy much space, heats quickly and holds fire over night. The following description of the structural features will convey a better idea of its possibilities:

FUEL ECONOMY

The National Air Heater is built with special attention toward economy and perfect combustion of the fuel. This is accomplished in the arrangement of the draft inlet. The draft being admitted through the ash door in part, passes up through the grate; at the same time a portion of the draft rises up through a tube from the base into the blast ring at the top of the fire pot.

PERFECT COMBUSTION

Perfect combustion of the fuel consists in the consumption of both the fixed carbon (coke) and the hydro-carbon (gases), which constitutes the B. T. U. of the fuel available if supplied with the proper amount of oxygen (air) to the fuel while in a state of combustion.

The draft through the grate forces the gases out of the fuel. The air from the blast ring makes these gases combustible, which are thoroughly consumed, leaving no black smoke or soot to pass out of the chimney, since black smoke is the manifestation of imperfect combustion.

GRATES

The coal grates consist of four triangular bars, coupled together in pairs with cog wheels. These grate bars can be revolved with a grate shaker through the damper opening in the ash pit door. By an ingenious construction, the grate shaker can not be removed without leaving all the grate bars in a proper position. All the bars of the grate have three surfaces exactly alike; therefore either of the surfaces exposed to the fire is proper. After shaking the grate a changed relation of the grate to the fire will occur, which equalizes the wear and makes the grate practically indestructible. The grates are removable through the ash pit door, without taking the heater apart or removing a single bolt. We furnish a complete wood grate instead of the coal grates when wood exclusively is to be used.

FIRE POT

The fire pot is corrugated and made very heavy. The sides are nearly straight and prevent the fire or ashes from resting on the pot, which adds many years to its durability.

BLAST RING

The blast ring is made in eight sections of heavy cast iron. These sections are loose and self-supporting; ample space for expansion is allowed and are easily replaced. They also serve to prevent the coal coming into contact with the body. The function of the blast ring is fully described under the caption of Perfect Combustion.

BODY

The body of the National Air Heater Furnace is not made of steel. It is made of No. 16 Armco Ingot iron, guaranteed 99 96-100 per cent pure iron. The metal is rust resisting and greatly outlasts sheet steel. The body is proportioned in its relation to the fire pot and provides the correct amount of radiation and combustion chamber. There are no rods used in this entire heater, therefore none to burn out.

FEED DOORS

The feed doors are double; the lower door is intended for coal, while both doors may be opened to conveniently feed rough wood, or extra large chunks of coal.

CHECK DAMPER

The check damper is located in the smoke pipe. It is operated from the living room above by a chain. The front draft damper is also provided with a chain, both of which terminate into a nickel plated regulator wall plate for these chains, so that all drafts are manipulated without going into the cellar.

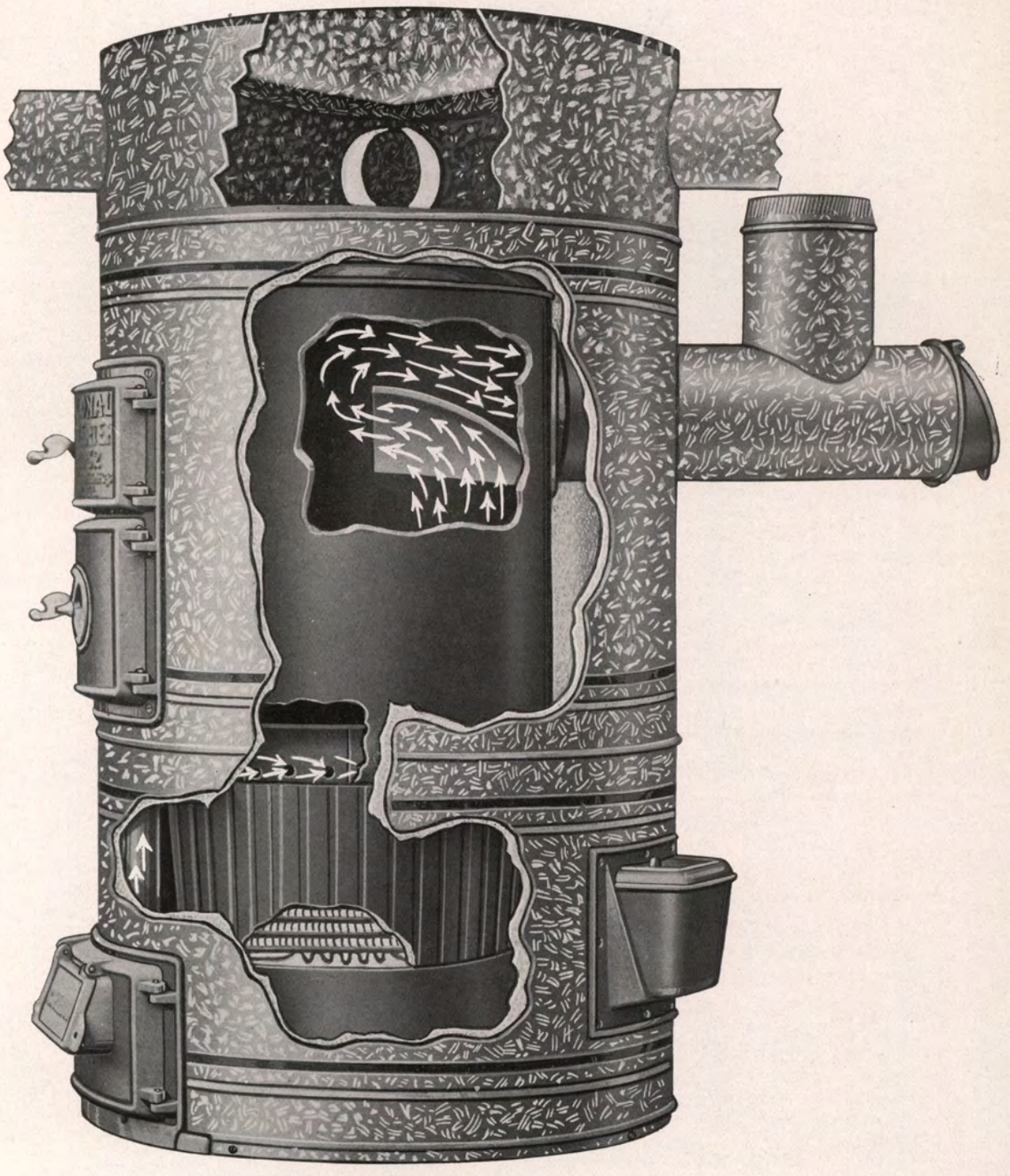
WATER PAN

Each heater is provided with a water pan, arranged into the casing with an outside swing cover for convenience in refilling. Water should be kept in the pan at all times. The evaporation being automatically regulated by the heat, the air absorbs the exact amount of moisture required to keep it in a healthful condition.

CASINGS

These are made of galvanized sheet metal, thoroughly asbestos lined. The casing rings are wrought steel and non-breakable. The casings are shipped knocked-down; are very easily put together. The bonnet is provided for four hot air collars. The top of bonnet is concaved, which deflects the heat directly into the hot air pipes.

National Stoves, Ranges and Furnaces



Sectional View

National Air Heater Furnace

FOR HARD COAL, SOFT COAL OR WOOD

Description and Prices Pages 194-200-201

NATIONAL QUALITY AND EFFICIENCY

Excelsior Stove & Manufacturing Company

National Air Heater Furnace

FOR HARD COAL, SOFT COAL OR WOOD

SPECIFICATIONS AND PRICES

Factory Number	Diam. of Fire Pot	Diam. of Body	Diam. of Casing	Entire Height	Size of Feed Door	Size Smoke Pipe	Heating Capacity in Cubic Feet
20-32B	20 inches	23½ inches	32 inches	66 inches	11x16½ inches	8 inches	12,000

FOR FOUR-ROOM RESIDENCE

Including the following list of fittings, which we consider ample to set up the furnace complete, connections to be made to four rooms.

Factory Number			List	Total	Protection Number
20-32B	National Air Heater Furnace for Coal	Each	**$70.00**	**$70.00**	631504
Quantity	1 only Complete Galvanized Casing, Asbestos Lined	Each	**14.00**	**14.00**	66302
Quantity	1 only 20-inch Black Japanned Round Register Face—Cold Air Inlet	Each	**6.75**	**6.75**	63046
Quantity	4 only 10x14 Black Japanned Floor Register and Border	Each	**4.50**	**18.00**	68104
Quantity	4 only 10x14 IX Tin Register Box with 10-inch Collar	Each	**.90**	**3.60**	61628
Quantity	5 only 10-inch IX Tin Adjustable Hot Air Elbow	Each	**.48**	**2.40**	61086
Quantity	1 each 8-inch Galvanized Smoke Elbow	Each	**.63**	**.63**	6284
Quantity	1 each 8-inch Galvanized Tee Joint—for Smoke Pipe	Each	**1.50**	**1.50**	6682
Quantity	1 each Galvanized Cold Air Shoe	Each	**6.00**	**6.00**	62706
Quantity	4 each 10-inch Side Casing Hot Air Collars	Each	**.45**	**1.80**	6812
Quantity	4 each 10-inch Hot Air Dampers	Each	**.36**	**1.44**	6654
Quantity	13¼-foot 10-inch IX Tin Hot Air Pipe, Nested	Per Foot	**.34**	**4.51**	62032
Quantity	7-foot 20-inch Galvanized Cold Air Pipe	Per Foot	**.90**	**6.30**	62842
Quantity	6-foot 8-inch Galvanized Smoke Pipe	Per Foot	**.19**	**1.14**	6526
				$138.07	662152

Price includes 36-foot regulating chain, 4 pulleys and regulator wall plate.

National Air Heater Furnace arranged for burning wood only, deduct list	**$ 2.00**	6906
National Air Heater Furnace arranged for coal and Wood, add list	**2.00**	6908

SHIPPING WEIGHT OF FURNACE WITH ABOVE LIST OF SPECIFICATIONS 725 LBS.

Prices

FOR STORE ROOM

Including the following list of fittings, which we consider ample to set up the furnace complete, connections for hot air pipe to be made in the face of counter and cold air return from floor.

Factory Number			List	Total	Protection Number
20-32C	National Air Heater Furnace for Coal	Each	**$70.00**	**$70.00**	631506
Quantity	1 only Complete Galvanized Casing, Asbestos Lined	Each	**14.00**	**14.00**	66302
Quantity	1 only 18x24 Black Japanned Register Face—Hot Air Outlet	Each	**7.25**	**7.25**	63264
Quantity	1 only 20-inch Black Japanned Round Register Face—Cold Air Inlet	Each	**6.75**	**6.75**	63046
Quantity	1 only Galvanized Counter Elbow for Hot Air Inlet	Each	**4.75**	**4.75**	62148
Quantity	2 only 8-inch Galvanized Smoke Elbow	Each	**.63**	**1.26**	6570
Quantity	1 only 8-inch Galvanized Tee Joint for Smoke Pipe	Each	**1.50**	**1.50**	6682
Quantity	1 only Galvanized Cold Air Shoe	Each	**6.00**	**6.00**	62704
Quantity	1 only 20-inch Top Casing Collar	Each	**.40**	**.40**	6180
Quantity	10-foot 20-inch Galvanized Pipe—for Hot and Cold Air, Pipes Nested	Per Foot	**.90**	**9.00**	64058
Quantity	8-foot 8-inch Galvanized Smoke Pipe	Per Foot	**.19**	**1.52**	6696
				$122.43	655114

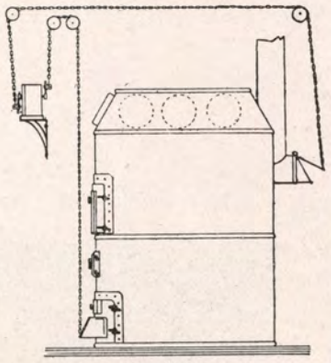
Price includes 36-foot regulating chain, 4 pulleys and regulator wall plate.

National Air Heater Furnace arranged for burning wood only, deduct list	**$ 2.00**	6906
National Air Heater Furnace arranged for coal and wood, add list	**2.00**	6908

SHIPPING WEIGHT OF FURNACE WITH ABOVE LIST OF SPECIFICATIONS 775 LBS.

Minneapolis Heat Regulator

Thermostat
As seen in Living Room



Regulator
As Attached to a Furnace or School Room Heater

Motor
Mounted in Basement

In introducing the Model 35, we desire to call attention to the fact that in our thirty years' experience we have never introduced a model that was not perfected when it was put on the market. Some gravity machines have been brought out in a haphazard manner and have, of course, resulted in complete failures, but when a new "Minneapolis" model is announced, it is a foregone conclusion that it will take its place as a leader in its line. In the Model 35 we announce a simple, substantial, workable device, which is backed by the skill and experience acquired in thirty years devoted solely to the manufacture of heat regulating apparatus. This model is produced at the lowest price consistent with quality, workmanship and durability. The thermostat is accurate. The motor is of the gravity type, and has ample power and from thirty to fifty per cent more actions at one winding than any other gravity motor. Our regular standard guarantee covers this model.

The thermostat, or mechanical thermometer, is attached to the wall of the living room with concealed wiring running to the basement. It is handsomely finished and is also equipped with a reliable thermometer.

The Model No. 35 is finished with a clock time attachment, which allows a lower temperature at night, and at any set hour in the morning will automatically turn the indicator to seventy degrees, thereby giving the occupants of the house a warm and comfortable home when they arise. The thermostat is small and inconspicuous and is an ornament in any room.

WHAT THE REGULATOR WILL DO

It will keep the house at an even temperature, save coal, and prolong the life of a heater by always closing the draft before the fire gains too much headway. It will relieve the mind entirely of the care of the draft dampers. The Regulator will demonstrate that no heating plant can be efficient or complete without it. The Regulator will control equally well on hot water, steam, gas, hot air and combination heaters.

The Motor is designed to be fastened to the ceiling of the basement. It is small and compact and presents a very neat appearance, as it is enclosed in a pressed steel case, handsomely finished in black enamel (baked). After seeing this device you will at once recognize that it is far superior in mechanical construction to any other regulator on the market. All gears are of brass with steel pinions and run in finely adjusted bushed brass bearings. The frames are of pressed steel.

The power is furnished by an iron weight, which is of ample size to lift all dampers on the modern types of furnaces, and **no special expensive dampers will be necessary.** It is equipped with an automatic switch (patented), which leaves the drafts closed when the motor is run down. This is an important feature, as it absolutely eliminates all danger from forgetting to wind the motor and letting it run down with drafts open.

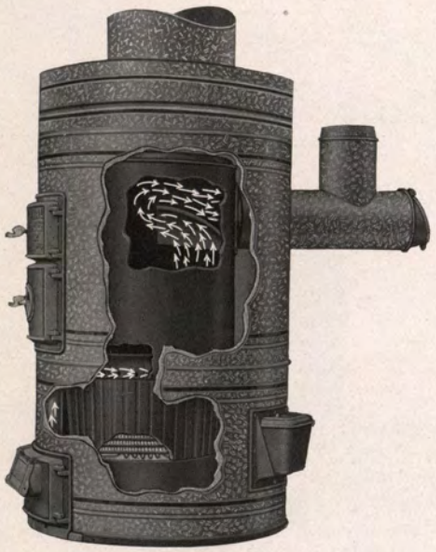
There is also a governor which regulates the speed of the motor and allows the drafts to open and close slowly and steadily, thereby avoiding the clatter and banging of dampers, so objectionable on other makes.

PRICE

Factory Number		Weight	List	Protection Number	Code Word
35	Regulator, complete with Clock attached	20	$38.90	717515	Worldly

Excelsior Stove & Manufacturing Company

National Unit Furnace



Sectional Side View
Showing Internal Construction of Heater

Side View
Showing Heater mounted complete

Sectional Front View.
Showing hot and cold air circulation.

Description and Price, Page 199

NATIONAL QUALITY AND EFFICIENCY

National Unit Furnace

SPECIFICATIONS AND PRICES

Factory Number	Diam. of Fire Pot	Diam. of Body	Diam. of Casing	Entire Height	Size of Feed Door	Size of Smoke Pipe
20-32D	20 inches	23½ inches	32 inches	97 inches	11x16½ inches	8 inches

Factory Number	Heating Capacity	Shipping Weight	List	Protection Number
20-32D	12,000 cu. ft.	600 lbs.	**$117.50**	852882

Price includes apparatus complete (except smoke pipe) with 24x30 black japanned register face and galvanized furnace tee with check dampers also regulating chains and plate to operate dampers from room above.

DESCRIPTION

This furnace is arranged to heat, from a single register face, any ordinary size residence that is divided into five or six rooms, whose combined area does not exceed 12,000 cubic feet.

The heated air is conducted from the furnace through the large center pipe, and discharged from the central portion of the register face. The cold air enters the square galvanized iron box surrounding the hot air pipe, and descends to the bottom of the furnace through the two side pipes.

The cold air, which is the motive power that forces the warm air out of the furnace into the rooms, is drawn from all the rooms and is replaced by the warm air; therefore the temperature is equalized in all the rooms in which the adjoining doors are left open.

Register openings may be cut through the ceiling from the first to the second floor rooms; in that manner the entire house may be heated from the one central point.

In rooms provided with double doors, the register face should be placed directly in the doorway for a better distribution of the heat.

One opening in the floor, 24x30 inches, to accommodate the register face, being the only requirement.

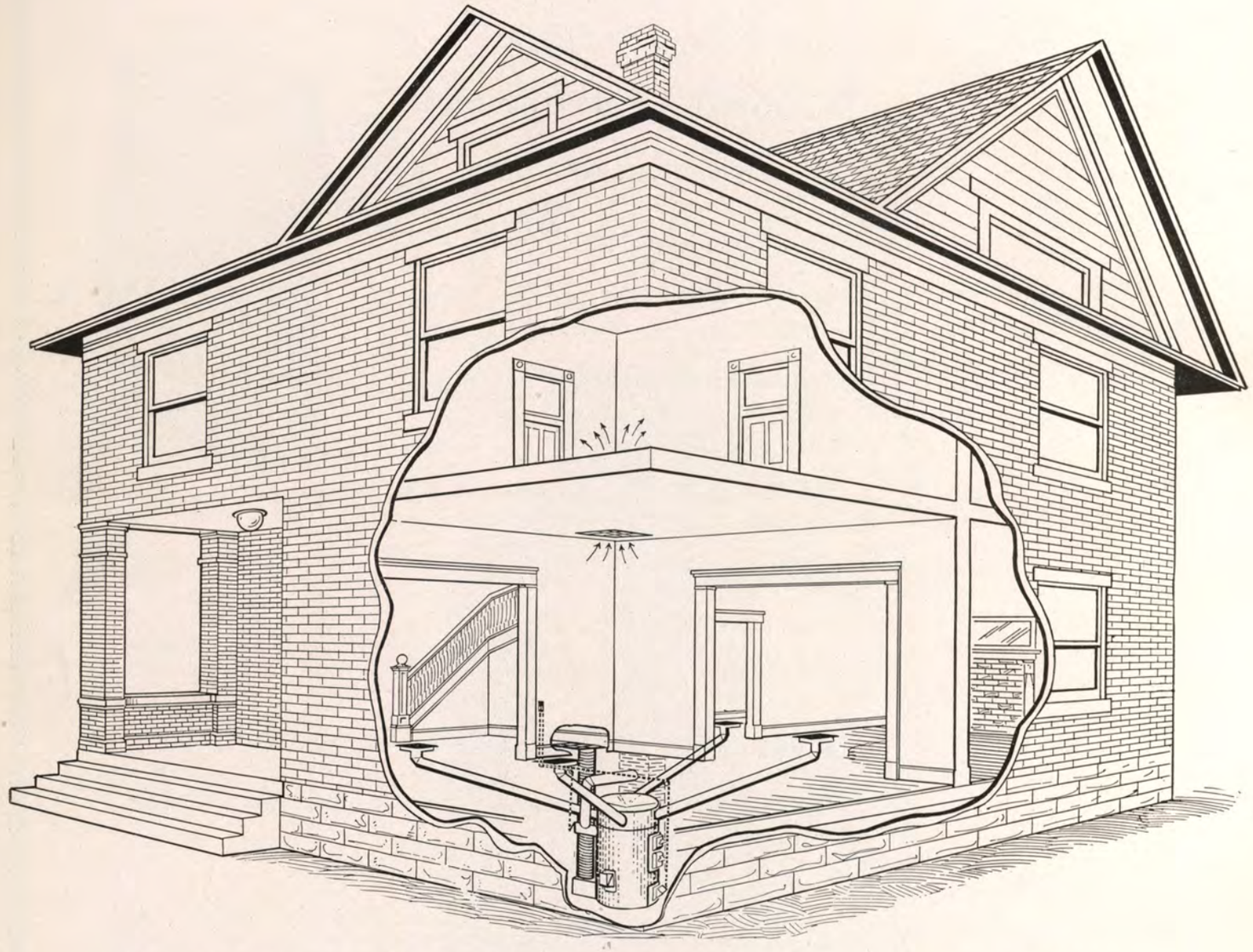
The heater is made very strong and durable. It has a heavy corrugated fire pot, triangular grate, No. 16 gauge Armco Ingot iron body, a rust-resisting metal that far outlasts sheet steel. Large double feed doors for convenience in feeding coal or wood.

The sectional blast ring around the top of fire pot is supplied with hot blast through the tube, extending from the front of the base. This superheated air is discharged at the top of the fire, which is the point of combustion for the volatile gases, and thoroughly consumes all the black smoke and soot when using soft coal.

The entire casing is made of galvanized iron and asbestos lined. Each heater is provided with a sheet steel ash pan, cast water pan and grate shaker.

To install the apparatus requires cutting of one joist only. Joists are usually set to 16-inch centers, therefore the removing of one joist where the register is to be placed leaves a 30-inch clear space, permitting the register face to be set either the narrow or long way as desired.

We furnish the apparatus 97 inches high, which meets the requirements for an 8 feet high cellar, measuring from the cellar bottom to the flooring above. It can be reduced in height to 78 inches, or may be extended to any height greater than 8 feet if especially ordered.



Directions for Setting Up National Air Heater Furnace in Residence

This furnace is designed especially simple in every respect, enabling any one without the aid of a mechanic to install the apparatus in his house, the only tools required being keyhole saw, screwdriver, ½ inch auger bit, tinners' shears and dividers.

1st. Locate the position of the cold air register face, preferably in the hall or living room. This register should be placed in an out-of-the-way location. It is important, however, that it should be centered over a joist. Set dividers on the center of joist and scribe a 20⅛-inch circle; then saw out the flooring, but do not cut the joist; now place the joint of cold air pipe which has the "cut outs" to straddle the joist, allowing it to come up level with the floor, and nail it into the edge of the flooring; next attach the cold air pipe joints downward and at the bottom place the cold air shoe in position two inches above the level you intend to set the furnace.

2nd. You are now ready to place the furnace; this should be set on hard, dry ground or on a layer of brick; bolt on the lower section of casing ring, and place the bottom section of the casing into place; then move the furnace up to the cold air shoe, permitting the edge of shoe to enter the opening in the casing provided for it, and with fingers turn back the edges, which permanently fastens the shoe into the casing.

3rd. Next, put on the middle casing ring and second section of casing, then the upper casing ring; at this point bolt on the feed door frame and ash door frame, the casing fitting between the furnace and all door frames; now put on the furnace bonnet and locate it in a position so that the hot air collars will all point in the direction you desire; put on the furnace tee joint and the smoke pipe.

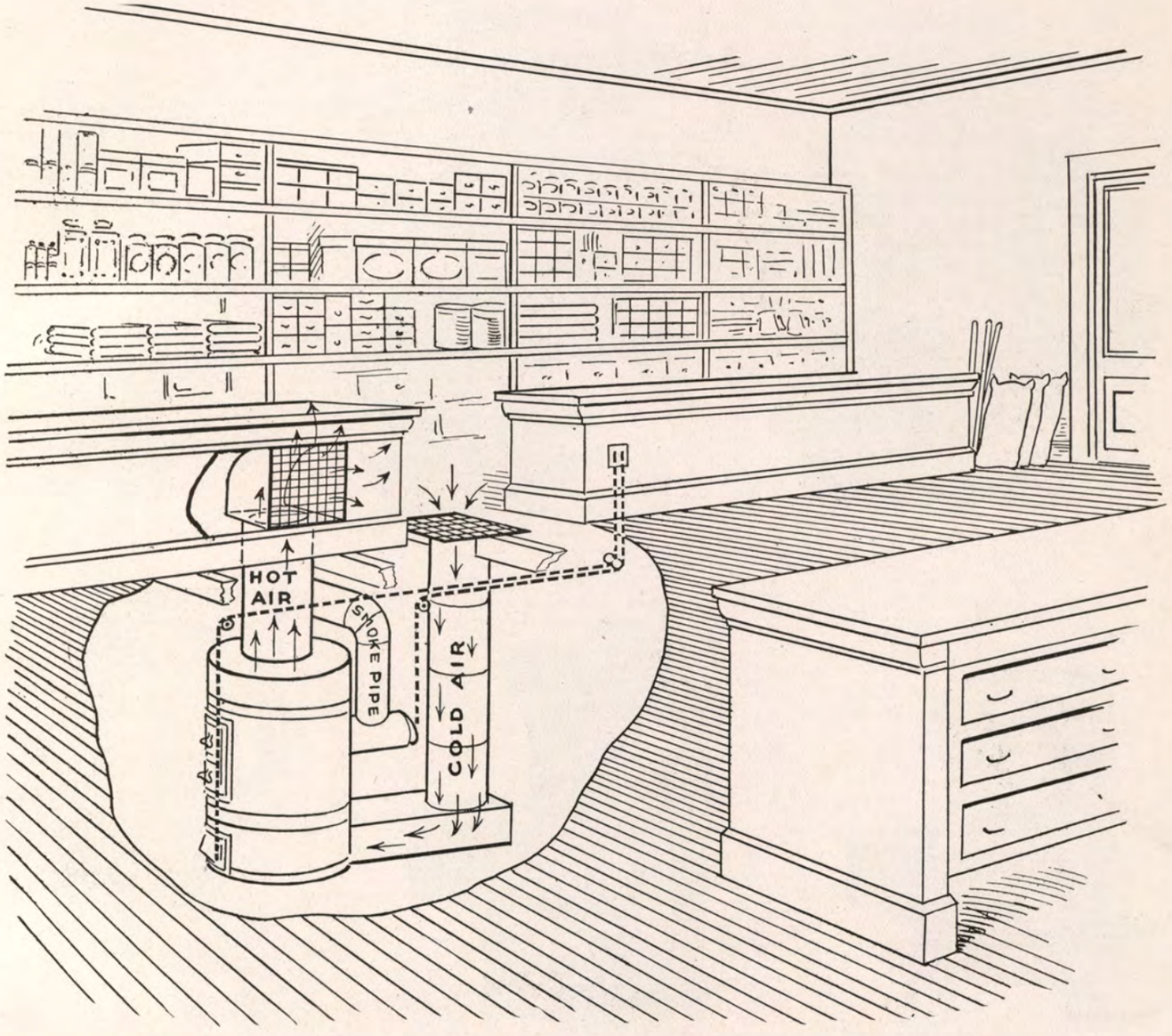
4th. The addition of the hot air pipes will be next. In locating the hot air register, remember they should go as near to the furnace as possible, **the first law of heat transmission being that the heat must be delivered into the room as quickly as possible.** Therefore, make all the hot air pipes as short as possible and avoid unnecessary elbows in the pipes. Place the registers and borders in the floor in such position that will avoid cutting any joists.

5th. Place the floor borders in place; the register boxes fit into these borders. Be sure to give all hot air pipes an upward slope to the registers, about ½ inch to the foot; wire all pipes to the joists to prevent them slipping apart.

6th. Run chains separately from draft door and check damper to living room above; furnace may then be regulated without going into the cellar. When the apparatus is fitted up, cover the furnace bonnet completely over with a depth of two inches of sand or powdered dirt; this will prevent heat escaping out of the top. The top of furnace may be set within ten inches of the joists without danger of fire.

Put hot air pipe damper in each hot air pipe close to the furnace. These are used to distribute the exact amount of hot air wanted in each room.

Note.—Make all hot air pipes as short as possible, no matter how long a stretch of smoke pipe this condition may cause. To hold fire over night in the National, fill fire pot full of coal, close the front damper and open the check damper; this also applies to operating in moderate weather.



Installation of National Air Heater Furnace in Store Room

Showing furnace in cellar and hot air pipe connections to room above, the discharge of hot air being from the face of store counter. This makes a perfect arrangement, since the sweepings and refuse matter on the floor can not enter into the furnace and create odors.

The square hot air elbow being located under the counter is out of the way and not visible from the front of counter.

DIRECTIONS

For Setting Up National Air Heater Furnace in Store Room

1st. Locate the position of the cold air register face between two counters or at a place that does not require walking over more than possible (not under the counter). It is important, however, that this register should be centered over a joist. Set dividers on the center of joist and scribe a 20½ inch circle; then saw out the flooring, but do not cut the joist; now place the joint of cold air pipe which has the "cut outs" to straddle the joist, allowing it to come up level with the floor, and nail it into the edge of flooring. Next attach the cold air pipe joints downward and at the bottom place the cold air shoe in position two inches above the level you intend to set the furnace.

2nd. You are now ready to place the furnace; this should be set on hard, dry ground or on a layer of brick; bolt on the lower section of casing ring, and place the bottom section of the casing into place; then move the furnace up to the cold air shoe, permitting the edge of shoe to enter the opening in the casing provided for it, and with the fingers turn back the edges, which permanently fastens the shoe into the casing.

3rd. Next, put on the middle casing ring and second section of casing, then the upper casing ring; at this point bolt on the feed door frame and ash door frame, the casing fitting between furnace and all door frames; now put on the furnace bonnet.

4th. Attach the hot air pipe to furnace top collar, and cut out flooring and any joist that may interfere with the pipe leading straight up; after cutting out the joist a cross header should be put in to support the cut joist, which will make it as strong as required. Attach the square counter elbow and allow the front edge to enter the opening in face of counter, which should be cut 18x24 inches. The register face screwed against the counter also fastens the elbow in place; cut out the floor 26x26 inches where the hot air pipe passes through and use the ventilated floor flange over this opening.

5th. Run chains separately from draft door and check damper to any convenient place in store room; furnace may then be regulated without going into the cellar. The top of furnace may be set within 10 inches of the joist without danger of fire.

Excelsior Stove & Manufacturing Company

Advertising Cuts

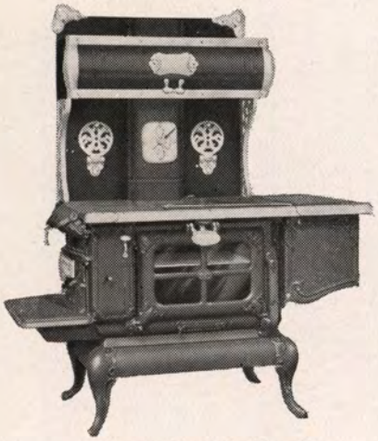
Free to Our Customers if included with an order for stoves. The use of these cuts permits dealers to have attractive stationery. Your local printer can do the work, which saves you paying the middleman's profits, and allows you to have such quantities printed as you desire at home.

Advertising Pays, especially if done through your local papers, which reach the trade direct in your locality. These cuts are especially adapted for newspaper work. Free to customers. Always order by cut number.

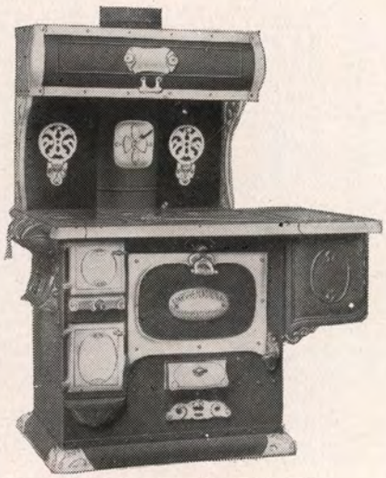
Advertising Cut No. 3

Advertising Cut No. 4

Advertising Cut No. 5



Advertising Cut No. 23



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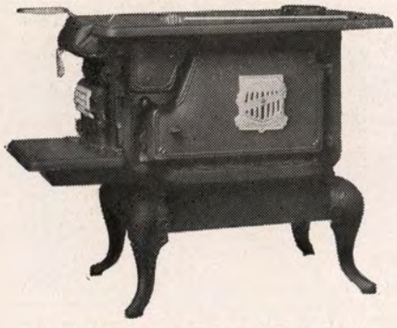
Advertising Cut No. 25



Advertising Cut No. 26

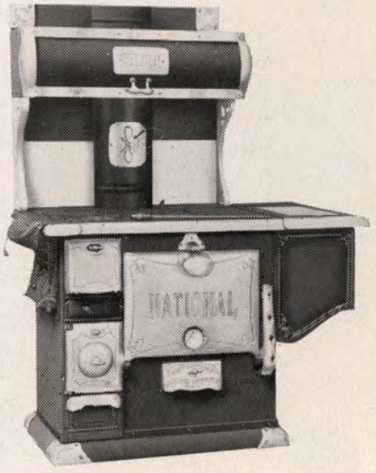
Advertising Cut No. 27

Advertising Cut No. 28

National Stoves, Ranges and Furnaces

Advertising Cut No. 29

Advertising Cut No. 30



Advertising Cut No. 31

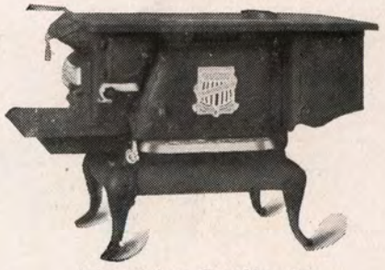
Advertising Cut No. 32

Advertising Cut No. 33

Advertising Cut No. 34

Advertising Cut No. 35

Advertising Cut No. 36



Advertising Cut No. 37

We furnish free to our customers, for advertising purposes, this size cut of any stove shown in this catalogue. They are designed for single newspaper column, and are made especially to print on newspaper stock. When ordering mention name of stove desired and state single column newspaper cut.

Advertising Cuts

For your bill-heads, letter paper, etc., your home printer can use these on your stationery and insert your name in its proper place. Furnished free F. O. B. Quincy to our customers. Always order by cut number.

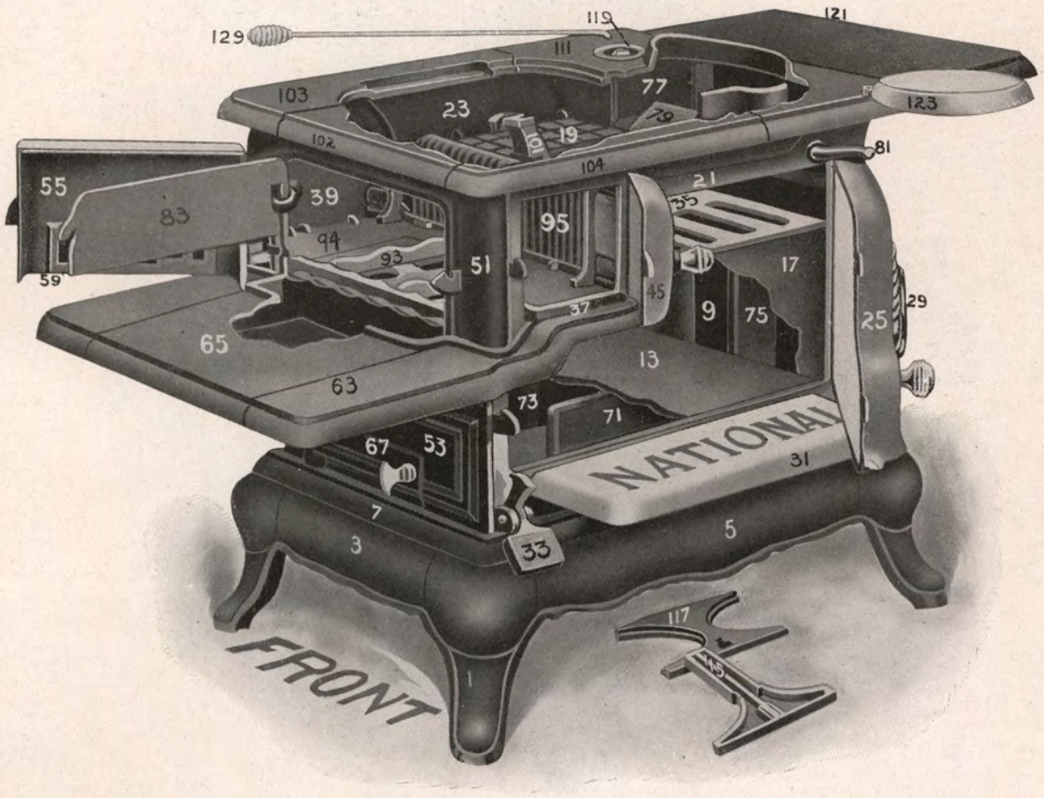
Advertising Cut No. 38 *Springville, Ill.,*

Advertising Cut No. 39 *Rushville, Mo.,*

Advertising Cut No. 40 *Ogden, Utah,*

Advertising Cut No. 41 *Madison, Wis.,*

National Stoves, Ranges and Furnaces

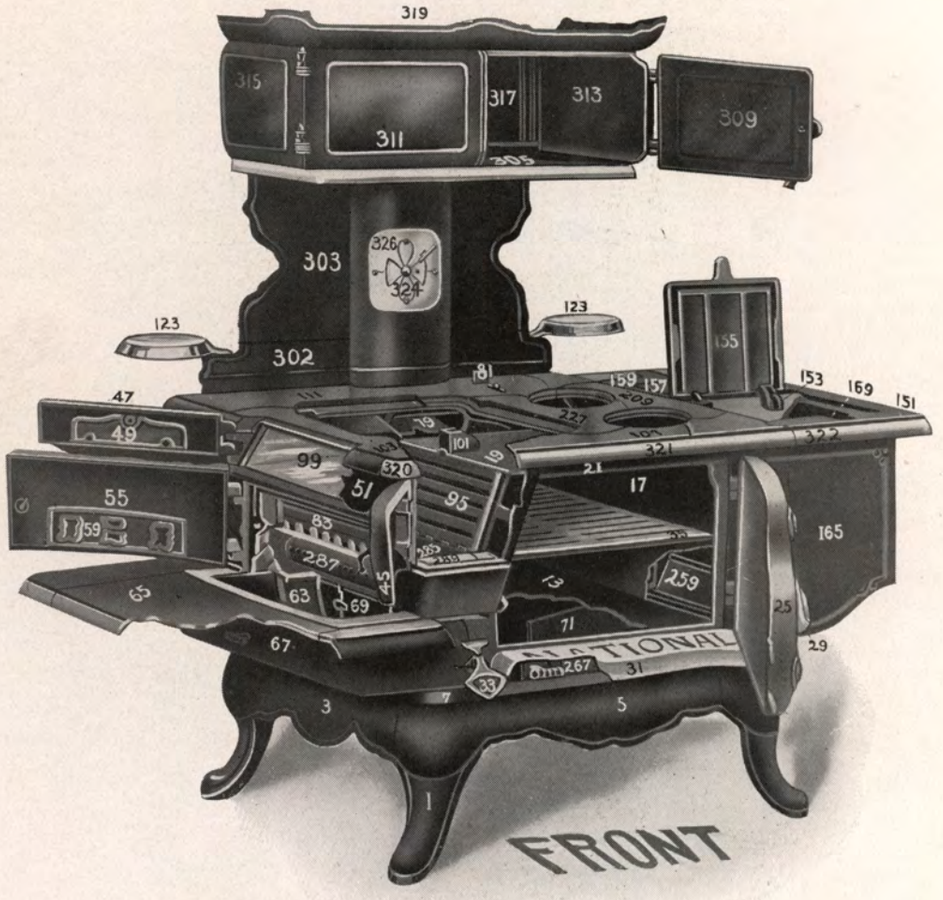


NATIONAL WOOD COOK

No.	
1	Legs.
3	Short base strip.
5	Long base strip.
7	Leg bottom.
9	Main back.
13	Oven bottom.
17	Oven back.
19	Oven top.
21	Right side.
23	Left side.
25	Right oven door.
*26	Left oven door.
29	Oven door panel.
31	Outside oven shelf.
33	Oven door kicker.
35	Oven rack.
37	Open jamb.
39	Blind jamb.
45	Fire door.
51	Upper front.
53	Lower front.
55	Front door.
*57	Front door panel.
59	Front door slide.
63	Hearth.
65	Hearth slide.
67	Flue stop.
71	Right bottom flue strip.
73	Left bottom flue strip.
75	Right back flue strip.
77	Left back flue strip.
79	Direct draft damper.
81	Direct draft damper handle.
83	Front fender.
93	False fire bottom grate.
94	False fire bottom frame.
95	Fire back.
101	Center rest.
102	Front top.
103	Left side top.
104	Right side top.
111	Back or collar top.
115	Long cut center (2 pieces).
117	Short center.
119	Flue cover.
121	Back top shelf.
123	Teapot shelf.
129	Towel rod.
*130	Water front hole stop.
*131	Water back hole stop.

ITEMS MARKED THUS * NOT SHOWN IN CUT

Excelsior Stove & Manufacturing Company



NATIONAL CAST RANGE

No.	
1	Legs.
3	Short base strip.
5	Long base strip, front.
*6	Long base strip, back.
7	Leg bottom.
*9	Upper right end plate.
*11	Lower right end plate.
13	Oven bottom.
*15	Lower oven front.
17	Oven back.
19	Oven top.
21	Oven front side.
*23	Oven back side.
25	Oven door.
29	Oven door panel.
31	Outside oven shelf.
33	Oven door kicker.
35	Oven rack.
45	Fire door.
47	Pouch feed door.
49	Feed door slide.
51	Pouch end.
55	Left end draft door.
*57	Left end door panel.
59	Left end door slide.
63	Hearth.

No.	
65	Hearth slide.
67	Hearth flue stop.
69	Inside flue stop.
71	Bottom flue strip.
79	Direct draft damper.
81	Direct draft damper handle.
83	Left end front grate.
95	Fire back.
*97	Front end lining.
99	Back end lining.
101	Center rest.
103	Left end top.
107	Front top.
111	Back or collar top.
123	Teapot shelf.
151	Reservoir top.
153	Reservoir boiler.
155	Front reservoir cover.
157	Back reservoir cover.
159	Reservoir cover frame.
*161	Reservoir bottom.
165	Right reservoir end.
*167	Left reservoir end.
169	Reservoir back.
209	Right end top.
259	Reservoir damper.

No.	
267	Oven front side flue stop.
285	Short half duplex grate.
287	Long half duplex grate.
289	Front end grate cover.
*291	Back end grate cover.
*293	Grate cogs (2).
302	Cast balustrade.
303	Cast high shelf.
305	Closet bottom.
309	Right closet door.
311	Left closet door.
313	Right closet end.
315	Left closet end.
317	Closet back.
319	Closet top.
320	Left nickel top corner.
321	Nickel top band.
322	Nickel reservoir corner.
324	Pipe damper frame.
326	Pipe damper slide.
327	Pea center.
*329	Long cut center (2 pieces).
*331	Short center.
*333	Water front hole stop.
*335	Water back hole stop.

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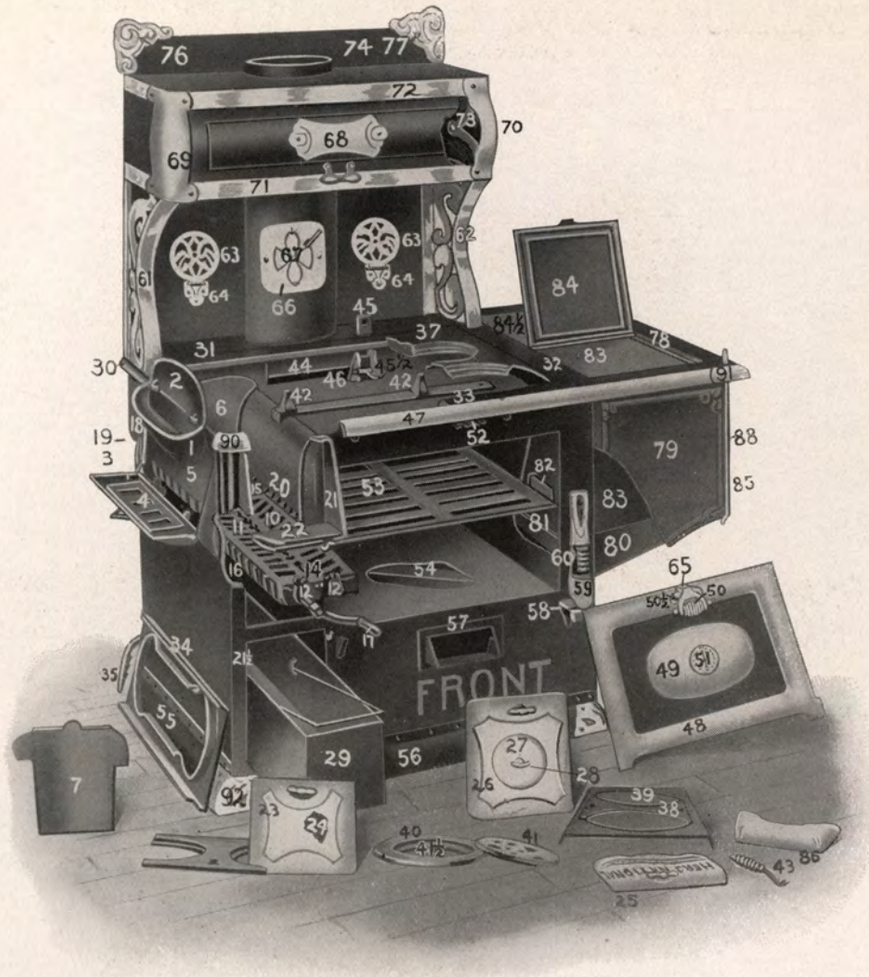

NATIONAL STEEL RANGE

No.	
1	Pouch end.
2	Pouch feed door.
3	Left end draft door.
4	Draft door slide.
5	Left end front grate.
6	Back end lining.
7	Front end lining.
10	Short half duplex grate.
11	Long half duplex grate.
12	Grate cogs (2).
14	Front end grate cover.
15	Back end grate cover.
*15½	Back grate rest.
16	Front grate rest.
17	Grate shaker.
18	Wood extension cup.
19	Water front hole stop.
*19½	Water back hole stop.
20	Fire back.
21	Fire door frame.
21½	Ash door frame.
22	Fire door hinge.
23	Fire door panel.
24	Fire door.
25	Flue door.
26	Ash door.
27	Ash door damper.
28	Ash door damper key.
29	Ash pan.
30	Left end top.
31	Back or collar top.
32	Right end top.
33	Front top.
34	Key plate without lip.
*34½	Key plate with lip.
35	Key plate ratchet.
38	Short center.
39	Cover.
40	Cereal cover.
41	Cereal cover register.
41½	Cereal cover inside cover.
42	Center rest.
43	Cover lifter.
44	Direct draft damper.
45	Direct draft damper handle.
45½	Damper clip.
46	Oven top lining.
47	Nickel top band.
48	Oven door.
49	Oven door panel.
50	Oven door handle.
50½	Oven door handle clip.
51	Oven thermometer.
52	Oven door catch.
53	Oven rack.
54	Oven bottom brace.
55	Short base strip.
56	Long base strip.
57	Flue door frame.
58	Inside spring pocket.
59	Outside spring pocket.
60	Oven door spring.
61	Left closet bracket.
62	Right closet bracket.
63	Teapot shelf.
64	Teapot shelf hinge.
65	Oven door latch.
66	Pipe damper frame.
67	Pipe damper slide.
68	Closet door panel.
69	Left closet end casting.
70	Right closet end casting.
71	Lower closet strip.
72	Upper closet strip.
73	Right closet door hinge.
*73½	Left closet door hinge.
74	Steel balustrade.
76	Left balustrade corner.
77	Right balustrade corner.
78	Reservoir top.
79	Right reservoir end.
*79½	Left reservoir end.
80	Reservoir bottom.
81	Reservior damper.
82	Reservoir damper frame.
83	Reservoir boiler.
84	Front reservoir cover.
84½	Back reservoir cover.
85	Towel rod.
86	Ash guard.
88	Reservoir back.
90	Left nickel top corner.
91	Nickel reservoir corner.
92	Base corner.
*93	Nickel shelf edge.

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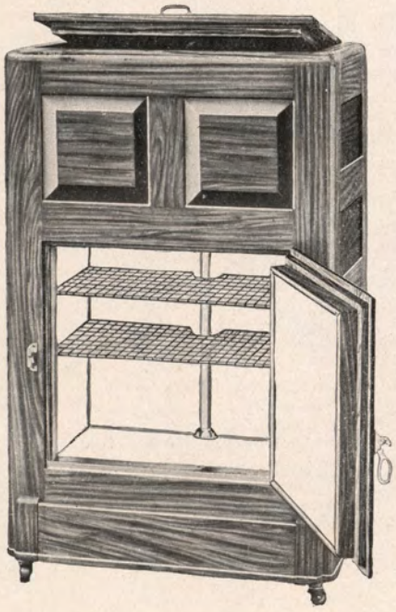
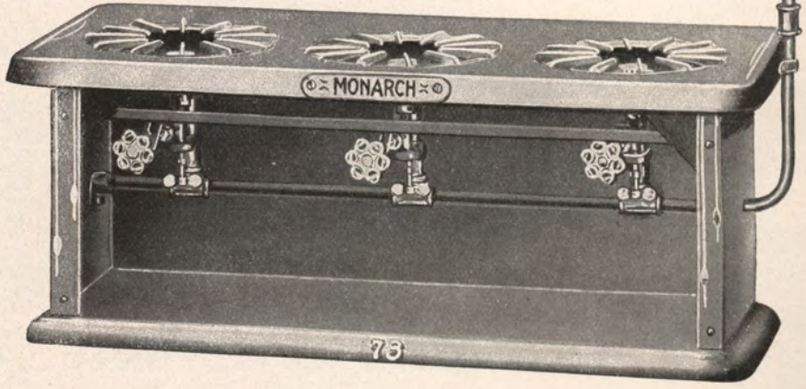
Excelsior Stove & Manufacturing Company

We issue Special Catalogue, showing our line of Refrigerators, Ice Chests, Gas Stoves, Gasoline Stoves, Blue Flame Oil Stoves, Stove Repairs, Hardware Specialties, etc. Write for Catalogue and Prices.





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WAREHOUSE
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